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Geneva College Bulletin

JUNE, 1917

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VOLUME EIGHT—NUMBER THREE

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Announcements for 1917-1918

Register of Faculty and Students for 1916-1917

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Entered as second class matter July 11, 1910, at the Post Office of Beaver Falls, Pa.,
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THE JOURNAL OF THE

AMERICAN MEDICAL ASSOCIATION

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Geneva College Bulletin

JUNE, 1917

UNIVERSITY OF ILLINOIS LIBRARY

VOLUME EIGHT—NUMBER THREE



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CATALOGUE

Announcements for 1917-1918

Register of Faculty and Students for 1916-1917

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Geneva College comprises the following divisions :

The School of Liberal Arts,
The Extension Division,

The School of Music,
The School of Public Speaking,
The Normal School.

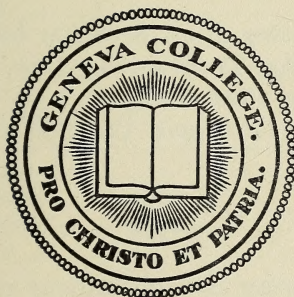
The following publications are issued annually by the
College:

The College Catalogue,
The Bulletin of the School of Music,
The Alumni Bulletin,
The Bulletin of the Normal School.

Geneva College Bulletin

JUNE, 1917

VOLUME EIGHT—NUMBER THREE



CATALOGUE

Announcements for 1917-1918

Register of Faculty and Students for 1916-1917

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AND ISSUED QUARTERLY

CALENDAR

1917

- Sept. 19—Wednesday, First Semester begins at 9 A. M.
Nov. 29—Thursday, Thanksgiving Day.
Dec. 3—Monday, Classes begin.
Dec. 21—Friday, Christmas Vacation commences at 2 P. M.

1918

- Jan. 2—Wednesday, School resumes at 8 A. M.
Jan. 30—Wednesday, First Semester closes.
Feb. 5—Tuesday, Second Semester commences at 9 A. M.
June 7—Friday, Literary Society Receptions.
June 9—Sabbath, Baccalaureate Sermon.
June 11—Tuesday, Entrance Examinations.
June 13—Thursday, Graduation Day.

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BOARD OF CORPORATORS

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REV. ALEXANDER KILPATRICK, D. D.....	Vice-President
REV. J. R. WYLIE, D. D.....	Secretary
JAMES S. TIBBY.....	Treasurer

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REV. E. A. CROOKS, 1918.....	New Castle, Pa.
JAMES A. McATEER, 1919.....	Pittsburgh, Pa.

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REV. H. G. FOSTER, 1917.....	Illinois
REV. J. G. McELHINNEY, 1917.....	Kansas
REV. R. HARGRAVE, D. D., 1918.....	Ohio
REV. A. A. JOHNSTON, 1918.....	New York
REV. R. J. G. McKNIGHT, D. D., Ph. D., 1918.....	Pittsburgh
REV. T. M. SLATER, D. D., 1918.....	Pacific Coast
REV. THOMAS McFALL, 1919.....	Nova Scotia and New Brunswick
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REV. J. BOYD TWEED.....	Beaver Falls, Pa.

Consulting Members Chosen by the Alumni Association

EDWIN F. WENDT, Sc.D.....	New Brighton, Pa.
C. R. MAY, Esq.....	Beaver Falls, Pa.
HON. GEORGE BALDWIN.....	Rochester, Pa.

Representing Business Men of Beaver Valley

J. T. REEVES.....	Beaver Falls, Pa.
J. T. MOLTRUP.....	Beaver Falls, Pa.

ADMINISTRATIVE OFFICERS

RENWICK HARPER MARTIN, A.B., D.D.
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WILLIAM POLLOCK JOHNSTON, D.D., LL.D.
PRESIDENT-EMERITUS AND FIELD REPRESENTATIVE

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EDNA M. GEORGE
LIBRARIAN

EARL A. MOORE, A.B., B.O.
REGISTRAR

M. R. GLOVER
GRADUATE MANAGER OF ATHLETICS

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood, Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnson, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: One from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P. Johnston was elected to the presidency and the college

continued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church, and who had served as Secretary of the Board of Trustees for several years.

CONTROL AND ENDOWMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

The endowment, in connection with the small tuition fees, is sufficient to meet the necessary expenses of the college, and the fact that there is a certain definite income relieves from anxiety as to what the attendance will be year by year.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Pa., and, from the postoffice of Beaver Falls, the smaller town receives free delivery of mails twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 35,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, and Erie & Pittsburgh.

There are many churches of all denominations in the city, and there is also a free library. The residents of

College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with football field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sandstone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and office, several rooms used by the departments of Music, Art, Oratory and Christian Associations, together with six recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the departments of Chemistry and of Biology, the second story by the departments of Physics and of Mathematics. It contains Chemical, Physical and Biological laboratories, with store-rooms and photographic dark room. The laboratories and class rooms are commodious, well lighted and heated.

Dormitory. Geneva Dormitory is the residence hall for women students of the college. The building is two stories high, exclusive of the basement, is lighted by electricity and heated throughout by steam and natural gas. It was entirely remodeled and modernized in the summer of 1915.

The average size of the bedroom is 13 by 14 by 9 feet. Each room has a clothes closet, a study table and other necessary furniture; but each girl is expected to provide her own bed linen, window curtains, bureau and washstand covers, towels and napkin ring.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$25,000, was constructed during the year 1910-1911. It was built in honor of President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes that have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present.

There are also held in the chapel on Sabbath mornings, Bible classes taught by members of the faculty.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each term as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall ensures the wide influence and vital educative force of constant association with one's peers in all the varied activities of undergraduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory. Applications for rooms should be made to Miss Helen E. McClintock, Meadville, Pa. A deposit of \$5.00 must accompany each application.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life today: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of oth-

ers; the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings, or on the grounds, card playing, dancing, frequenting the theatre and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root these out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are beyond home influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelphic Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening of the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of these two societies is to give opportunity for training in public speaking, the programs for regular meetings consisting of essays, declamations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school.

Christian Associations. The Young Men's and Young Women's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctively Christian work. While the original idea was to include those who intended to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formulation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very important place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations. The Glee Club is made up of sixteen men who train under the direction of the Professor of Vocal Music. The tryouts for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made

up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All football, basketball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association. The high standard of athletics in this institution is due in part at least to the well organized and thoroughly efficient student Athletic Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for intercollegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as University of Pittsburgh, Westminster, Grove City, Thiel, Bethany and Muskingum. Six institutions are represented in the Tri-State Oratorical Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in tryouts open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another ex-

amination is made at the close of the year to note the progress made.

Besides the gymnasium class work various forms of intercollegiate athletics are carried on under the direction of an experienced athletic coach. Football, basketball, tennis, and field and track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

MILITARY TRAINING

In the present state of affairs much stress will be put upon the military training of all students attending Geneva College. This attendance will be compulsory and credit will be allowed for it just as in the department of Physical Education. This training will be in charge of some one who has had especial education along these lines and if possible a United States Officer will be secured who will conduct these classes which will be held five days per week. It is the duty of all such schools to see to it that during the time that they are educating the men of our country in all branches they do not neglect the military side of this education. We owe the very best that we have to the protection of our nation and it is with this in view that it has been decided that this new department be started at Geneva College.

At the present writing it is not definitely known just what will be needed by way of equipment, but announcement will be made later and information will be given upon application to the registrar.

DEBATING

Opportunities are afforded for systematic training in debating, both in the classroom and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least two intercollegiate debates are held each year. In 1916-1917 Geneva was represented by two men's teams and two women's teams and six intercollegiate debates were held. Members of the intercollegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The purpose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year: The

annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class of each year shall be members of the Association during the annual business meeting of that year, without the payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President. First Vice-President. Second Vice-President, Secretary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association.

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.

2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."

3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

LECTURE COURSE

Frequently the college offers to its students a free lecture course. Local talent, frequently alumni who are in business or professional life, are invited to speak upon some phase of their work. Because of the short distance to Pittsburgh and the excellent train service, it is possible to levy upon the talent of that city. Lectures on science, politics, literature and other subjects entertain and instruct the college community. A fine projection lantern often makes the lectures most interesting.

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase every year the latest and best volumes on topics old and new, kindred to the studies of the curriculum.

The library is in care of a Librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and

thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 7:45 A. M. to 12:15 P. M.; 1:30 P. M. to 4 P. M.

At the beginning of the current college year the work of reorganization of the Geneva College Library was undertaken. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, is nearing completion. It will contain complete subject, title, and author headings for all the books in the Library. For this catalogue cards are being purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets will be installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

During the year a new chemical laboratory has been equipped on the ground floor of the Science Hall; the Library has been remodelled in connection with the introduction of the Dewey Decimal System; a large filing cabinet has been installed in the Registrar's office; the President's office and an office room in the Science Hall have been completely furnished.

NEW COURSES

Courses in Spanish, History of Art and Physical Chemistry were offered for the first time in the year 1916-1917. They will be given again during the year 1917-1918. The courses in Economics, Geology and Political Science now occupy a full college year. The Bible has always been a required study. This year, however, the course in Bible has been enlarged and materially strengthened. The Bible itself is the text-book, and not books about the Bible. The aim is to acquaint students with the facts and truths of the Bible itself, to mould their character, and to give them the christian ideal and purpose of life.

CHANGE IN CURRICULUM

The College year which was formerly divided into

three terms of twelve weeks each, has been changed to two semesters of eighteen weeks each. This change was made in order that the credit system might conform to the system used by the universities where many of the graduates do advanced work. The designations, Classical, Latin-Scientific and Scientific are dropped, and the Group System introduced. The length of period is changed from forty-five minutes to one hour.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music and the degree of Bachelor of Oratory in the School of Public Speaking. The Art Department grants a certificate only and not a degree. The Masters degree is no longer given in course. All other degrees are honoris causa. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelors degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students taking Freshman English. The prize is offered through the generosity of the late Hays Euwer of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1916-17 the topic was assigned to the Department of Chemistry. For the year 1917-18 the topic is assigned to the Department of Biology.

4. History Prize, \$30.00. Through the generosity of the late Henry Wallace, LL. D., of Des Moines, Iowa, this prize is offered for the best work done in the Department of History.

5. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late John T. Morton, sometime principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

6. Bible Prize, \$30.00. This prize is offered by a friend for the best work done in the Department of English Bible.

7. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

8. Classics Prize, \$20.00. Mrs. Jane McClintock, of Morning Sun, Iowa, offers this prize for the best work done in classical studies.

9. Classics and Modern Language Prize, \$15.00. This prize is offered by a friend and is awarded for the best work in the Classics as they are related to Modern Languages and Literature.

10. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the one who represents Geneva in the Tri-State Intercollegiate Oratorical Contest.

EXPENSES

The following expense account is for a student in the School of Liberal Arts. Students in the other schools may estimate accordingly:

Tuition and Contingent Fee.....	\$69.00
Athletic Fee	5.00
Incidental Fee	1.00
	<hr/>
	\$75.00

Dormitory rooms (double) rent for \$8.00 a month. Those on the Hill rent from \$8.00 to \$10.00. This secures all that belongs to a room—light, fuel and care. The boarding is mostly provided for in clubs. Meals in connection with these, ladies and gentlemen eating together, cost from \$3.50 to \$4.00 per week. Total expenses for the college year are approximately: Average, \$325; Low, \$275; High, \$400.

THE SCHOOL OF LIBERAL ARTS

FACULTY

RENWICK HARPER MARTIN, A.B., D.D.

PRESIDENT OF THE COLLEGE

A. B., Geneva College, Columbia University; D. D., Westminster
College

PROFESSOR OF BIBLE, POLITICAL SCIENCE, AND SOCIOLOGY

GEORGE KENNEDY, A.M., D.D.

A. B., Columbia University; A. M., Columbia University;

D. D., Geneva College

PROFESSOR OF GREEK AND LATIN

M. GYLA MacDOWELL, A.M.

A. B., Grove City College; A. M., Columbia University

PROFESSOR OF ENGLISH

ROBERT C. COLWELL, A.M.*

A. B., Harvard University; A. M., University of New Brunswick;

University of Chicago; Princeton University

PROFESSOR OF MATHEMATICS AND PHYSICS

HELEN E. McCLINTOCK, A.M.

A. B., Allegheny College; A. M., Allegheny College; University
of Göttingen

PROFESSOR OF GERMAN AND ROMANCE LANGUAGES

HARRY H. WYLIE, A.M.

A. B., Muskingum College; A. M., Harvard University; University
of Chicago

PROFESSOR OF EDUCATION, PHILOSOPHY, AND PSYCHOLOGY

LEROY PATTON, A.B., B.S., M.S.

A. B., Muskingum College; B. S., University of Chicago;

M. S., State University of Iowa

PROFESSOR OF CHEMISTRY AND GEOLOGY

M. CAROTHERS McCONAGHA, B.E.

B. E., National School of Oratory

PROFESSOR OF PUBLIC SPEAKING

C. B. METHENY, A.B.

A. B., Geneva College
PHYSICAL DIRECTOR FOR MEN

SLOANE C. MARTIN, A.B.

A. B., Geneva College; University of Chicago
PROFESSOR OF BIOLOGY

A. A. JOHNSTON, A.M., B. D.

A. B., Geneva College; A. M., Princeton University; B. D., Princeton Seminary; University of Edinburgh;
University of Pennsylvania
PROFESSOR OF ECONOMICS AND HISTORY

EVANGELINE METHENY, A. B.

A. B., Geneva College
ASSISTANT PROFESSOR OF ENGLISH

EDNA M. GEORGE

PHYSICAL DIRECTOR FOR WOMEN

E. R. CARSON, A. B.

A. B., Geneva College; University of Chicago.
ACTING PROFESSOR OF PHYSICS

*On leave of absence.

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. A unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

English	3	
Foreign Language.....	4	two of which must be in one language.
Mathematics	2	
History	1	
Science	1	
Elective	2	taken from above subjects.
Elective	2	taken from above subjects, or any subjects which are accepted for graduation in an accredited preparatory or High School in the State from which student comes. The following subjects are excepted.
		Domestic Science
		Manual Training
	—	Stenography
Total.....	15	Bookkeeping

Note I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

Note II. If all four units of foreign language presented are Latin, fourteen (14) hours on one modern language will be required in college.

Note III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a

certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 15) usually taken in the Freshman year.

Bible—8 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 22), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

Group 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, German or Romance Languages	6 hours

Group 2

Latin and Greek	18 hours
Romance Languages or German.....	12 hours
English, History, Philosophy, Education, Latin, Greek, German or Romance Languages.....	6 hours

Group 3

Romance Languages or German.....	18 hours
German, or Romance Languages.....	12 hours
Latin, Greek, English, History, Philosophy or Education..	6 hours

(Note: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group.)

Group 4

Philosophy and Education.....	18 hours
English, or History and Economics.....	12 hours
Latin, Greek, German or Romance Language.....	6 hours

Group 5

English	18 hours
Latin, Greek, German or Romance Languages.....	12 hours
Philosophy, Education, History or Economics.....	6 hours

Group 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

Group 7

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education.....	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) FOR THE DEGREE OF BACHELOR OF SCIENCE**Group 1**

Chemistry	18 hours
Biology, or Physics and Geology.....	12 hours
Biology, Mathematics or Physics.....	6 hours

Group 2

Mathematics	18 hours
Biology or Chemistry	12 hours
Biology, Chemistry or Physics.....	6 hours

Group 3

Biology	18 hours
Chemistry, or Chemistry and Physics.....	12 hours
Physics or Geology.....	6 hours

Note: Fourteen hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATION, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates for admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the first month of the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty. Entrance conditions will be subject to special arrangements.

V. Grading System.—The standing of a student in his work is indicated by the class in the following scale to which he is assigned:

Class A.—Equivalent to 100 to 95 per cent., or very good.

Class B.—Equivalent to 95 to 90 per cent., or good.

Class C.—Equivalent to 90 to 80 per cent., or fair.

Class D.—Equivalent to 80 to 65 per cent., or passing.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a re-

ceipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced.

VIII. Registration Committee.—Each student is required to meet the Registration Committee at the beginning of each semester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

President R. H. Martin,
Dr. George E. Kennedy,
Miss Helen McClintock,
Professor H. H. Wylie,
Professor Leroy Patton.

IX. Limitation of Courses.—No student shall be allowed to carry more than fifteen semester hours unless he has an average of B, or 90%, and then permission to take extra work may be had only by the action of the Faculty.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

FEES

(1) Tuition per semester.....	\$25.50
(For sons and daughters of clergymen, one half the regular rate.)	
(2) Contingent fee, per semester.....	9.00
(3) Chemistry laboratory fee, per semester.....	3.75
(4) Biology laboratory fee, per semester, from.....	2.50 to \$5.00
(5) Examination other than regular.....	1.00
(6) Graduation fee in all departments.....	5.00
(7) Athletic fee	5.00
(8) Incidental fee	1.00

SCHOLARSHIPS

Two kinds of scholarships are offered.

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated

High Schools in Western Pennsylvania. These scholarships pay all tuition for four years.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each year to deserving students. They pay tuition for one year. Application blanks may be obtained from the Registrar, Geneva College, Beaver Falls, Pa.

COURSES OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is, however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required.

Three hours a week, first semester.

DEPARTMENT OF BIBLE

It is the aim in the courses in the Bible to familiarize the student with the English Bible and to bring him into intelligent and vital connection with the Word itself. The Bible itself is used as the text book. The courses offered require thorough work and give as high disciplinary results as other studies. Eight hours' work a week is required.

15. **Old Testament Perspective.**—An outline course designed to give the student a clear grasp of the greater events, characters and movements of the Old Testament Scriptures. Two hours a week, first semester, required.

16. **Old Testament Prophets.**—This course deals with the great prophets of the Old Testament and their messages. Its purpose is to give the student an understanding of the character of the prophet, the social, political, moral and religious condition of the times which called forth the message; and of the message itself, in its application to his own and our times. Two hours a week, first semester, required.

17. **The Life of Christ.**—The aim in this course is to use the Gospels in such a way as to give the student a knowledge of the greater facts of Christ's Life; to set before him Christ's character and ideals; his revelation of God, his plan of salvation for the World. Two hours a week, second semester, required.

18. **A Study of the Acts and Especially Paul.**—This course aims to give the student an understanding of the teachings of the Christian Church and the development of the knowledge of God. Two hours a week, second semester, required.

Elective Courses to be announced later.

DEPARTMENT OF BIOLOGY

The work in this department includes a study of living organisms, both plant and animal. The courses are so arranged that work exclusively in either Botany or Zoology can be taken. The aim in all the work is to give the student a comprehensive knowledge of the facts upon which the study of living organisms as a science, is founded. First hand observation and study of plants and animals in the laboratory and in the field is considered equally as important as text book and lecture work. The laboratory is equipped with the latest type of compound microscopes for students' use, dissecting microscopes, sliding and rotary microtomes, paraffin bath, incubator, aquarium, germinators, and other equipment necessary for high grade work in both Botany and Zoology. A projection lantern with complete sets of slides is used frequently in connection with the laboratory work. A special effort is made to impress students in this department with the value of strictly scientific methods so that these courses may serve as a basis for those who wish to do research work in Biology.

22. Introduction to Botany.—General introduction to the study of Botany including first a study of the root, stem, leaf and seed of flowering plants. Types of all the great groups of plants are then taken up for special study in the laboratory and in the field. Special stress is laid on the use of the compound microscope and the making of accurate drawings. This course is intended primarily for those who are beginning the study of Botany and is offered along with Course 23 for those who desire one year of general Biology. Text—"The Nature and Development of Plants," Curtis. Laboratory Fee, \$2.50. Lectures and Recitations, 2 hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered first semester.

23. Introduction to Zoology.—An attempt is made in this course to give the student a thorough working knowledge of the basic principles and concepts of Zoology. The laboratory work includes observations and dissections upon: (1) unicellular types (Amoeba, Paramoecium); (2) simple multicellular types (Hydra, Planaria); (3) higher invertebrate types (earth-

worm, crayfish, honey bee); (4) a ceratebrate type (frog). Emphasis is placed on accurate drawings and notes. Texts—"Introduction to Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory fee, \$2.50. Lectures and recitations, two hours per week; Laboratory, 2 hours per week. Credit, 3 hours. Offered second semester.

24. Botany, Morphology of Thallophytes and Bryophytes.—This course followed by Course 25 is intended to give the student a thorough knowledge of the structure of all of the most important types of plants. While this is primarily a study of structure and form, the work takes in problems of ecology and physiology. Special problems considered are (1) the origin and evolution of sex, (2) the origin of stationary plants, (3) parasitism, saphrophytism, symbiosis, (4) the origin of distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and the one which follows it. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisite, Course 22 or its equivalent. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

25. Botany, Morphology of Pteridophytes and Spermatophytes.—The work in this course begins with the study of the ferns, then takes up the transition from the flowerless to the flowering plants, and continues with a detailed study of the form, structure, distribution and adaptation to environment of the great groups of Angiosperms and Gymnosperms. Special problems considered in this course are (1) advance of the sporophyte and reduction of the gametophyte, (2) appearance of heterospory, (3) spermatogenesis, (4) oogenesis, (5) embryology, (6) Engler's scheme of classification. Local flora will receive special attention. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisites, Courses 22 and 23 or their equivalents. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered second semester.

26. Invertebrate Zoology.—A detailed study of type forms. Each student dissects about 20 types of invertebrates, making drawings and preserving notes. Emphasis is laid on the comparative study of forms of all the invertebrate phyla from the simplest unicellular types to the most complex invertebrates. This course along with Course 27 which follows it, is arranged for those who will enter medical school and fulfills the

conditions of the leading medical schools of this country. Texts—"College Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory Fee, \$3.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

27. **Vertebrate Zoology.**—This course includes detailed dissections and drawings of such types of vertebrates as dogfish, perch, frog, turtle, lizard, pigeon and cat. Special attention is given to the work on the cat as an example of mammalian anatomy. Texts—"College Zoology," Hegner, and "Vertebrate Zoology," Pratt. Laboratory Fee, \$3.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Prerequisite, Course 26 or its equivalent. Offered second semester.

28. **Methods in Plant Histology.**—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text—"Methods in Plant Histology," Chamberlain. Laboratory Fee, \$5.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

29. **Bacteriological Methods.**—A general introduction to methods used in bacteriological work. The work in the laboratory includes (1) preparation of culture media, (2) principles of sterilization, (3) methods of staining bacteria, (4) description of pathogenic and non-pathogenic types of bacteria. This course is intended primarily for those who will study medicine. Texts—"Bacteriology," McFarland, and "Laboratory Manual of Bacteriology," Heinemann. Laboratory Fee, \$2.50. Prerequisites, Course 22 or its equivalent and a beginning course in Chemistry. Lecture, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered second semester.

DEPARTMENT OF CHEMISTRY

The object of the work of this department is to cultivate the scientific spirit and habit, to furnish training in modern methods of pure and applied science, to provide suitable preliminary training for graduate work or preparation for medical schools and to afford training for those who wish to teach chemistry in high schools or who wish to enter technical work.

The department is supplied with all equipment and apparatus necessary for the proper conduct of the work. An additional laboratory has been provided during the past year. This laboratory has the best equipment that it is possible to obtain. It is devoted mainly to the work of analytical and physical chemistry.

Students who desire a general knowledge of chemistry but who do not wish to pursue the subject further are advised to elect Chemistry 15.

Students who are contemplating graduate work in chemistry should at least elect courses 15 or 16, 17, 18, 19, 20. These courses constitute the minimum prerequisites for graduate work in most universities.

Those who expect to teach chemistry in high schools should elect courses 15 or 16, 17, 18, 19, 23.

Students preparing for medical schools should take courses 15 or 16, 17, 19 and 23.

For preparation for technical work the courses in analytical chemistry will be the most advantageous but the study of chemistry should be made as extensive as possible.

15. General Inorganic Chemistry.—This course includes a study of the non-metallic and metallic elements and their chief compounds. Especial attention is given in the lectures and the laboratory to modern chemical theories. The work is largely taken up from the standpoint of physical chemistry. An effort is made to correlate the work of the lecture room and laboratory with the great chemical industries. For this purpose visits are made to a number of manufacturing plants where chemical operations are seen on a large scale. Beaver Valley is exceptionally well provided with chemical industries. Texts: Smith, "General Chemistry for Colleges;" Smith and Hale, "A Laboratory Outline of General Chemistry." Fee, \$3.75 per semester. Prerequisites, Elementary Physics is a desirable prerequisite. First and second semester. One lecture and two laboratory periods a week. Three credit hours.

16. Advanced General Inorganic Chemistry.—This course is similar to 17 with the exception that work ordinarily done in high

school chemistry is omitted from the course. Especial attention is paid in the lectures to the fundamental principles of ionization, equilibrium in solution and other important theoretical problems. Texts: Smith, "General Chemistry for Colleges;" Smith and Hale, "A Laboratory Manual of General Inorganic Chemistry." Fee, \$3.75 per semester. Prerequisites, High School chemistry. First semester. One lecture and two laboratory periods a week. Three credit hours.

17. Qualitative Analysis.—First Course. The laboratory work in this course consists of a study of the analytical reactions of the common metal and acid ions and the separation and analysis of the various groups of these ions. The lectures deal with the chemistry of the analytical reactions and especially with the fundamental principles which are most widely used in analytical work. Text: Stieglitz, "A Laboratory Manual of Qualitative Analysis." Fee, \$3.75 per semester. Prerequisites, Chemistry 15 or 16. Second semester. One lecture and two laboratory periods per week. Three credit hours.

Laboratory work may be taken without the lectures either semester. Two credit hours.

16. Qualitative Analysis.—Second course. This is a continuation of Course 17. It consists of laboratory work in systematic analysis. The student begins with analysis of simple salts and gradually works up to the analysis of complicated mixtures. Text: Stieglitz, "The Elements of Qualitative Chemical Analysis," Vol. II. Fee, \$3.75 per semester. Prerequisite, Chemistry 17. Either semester. Three laboratory periods a week. Three credit hours.

20. Elementary Quantitative Analysis.—The fundamental principles of quantitative analysis. Both gravimetric and volumetric methods are included. The gravimetric work consists of the quantitative analysis of simple salts or alloys. The volumetric work includes methods of calibration, making of standard solutions, etc. Emphasis is placed on accurate work. Text: Talbot, "Quantitative Analysis." Fee, \$3.75 per semester. Prerequisites, Chemistry 15 or 16. Chemistry 17 is a desirable prerequisite. Either semester. Three laboratory periods per week. Three credit hours.

21. Advanced Quantitative Analysis.—Continuation of Chemistry 20. Analysis of minerals and more difficult salts. Fee, \$3.75 per semester. Prerequisite, Chemistry 20. Either semester. Three laboratory periods a week. Three credit hours.

22. **Advanced Qualitative Analysis.**—(Not offered in 1917-18.)—Analysis of commercial products, difficult salts and insoluble substances. Text: Stieglitz, "The Elements of Qualitative Analysis," Vol. II. Fee, \$3.75 per semester. Prerequisite, Chemistry 18. Either semester. Three laboratory periods a week. Three credit hours.

23. **Physical Chemistry.**—A systematic study of the great principles of theoretical chemistry. In the lectures the important theoretical principles of gases, liquids, solutions, solids, thermo-chemistry, electro chemistry are taken up and their relationship and importance studied. The laboratory work consists of such experiments as vapor density determinations, determination of molecular weights by the freezing point and boiling point methods, determinations of the coefficient of viscosity, of surface tension, spectroscopy, transition temperatures, potential measurements, conductivity, etc. Text: Getman, "Outlines of Theoretical Chemistry." Prerequisites, Chemistry 15 or 16. College Physics is a desirable prerequisite. Fee, \$3.75 per semester. First and second semester. One lecture and two laboratory periods a week.

19. **Organic Chemistry.**—Chemistry of the carbon compounds. Preparation and properties of the more important carbon compounds of both the aliphatic and aromatic series and the theoretical questions involved. Texts: Norris, "The Principles of Organic Chemistry;" Norris, "A Laboratory Manual of Organic Chemistry." Fee, \$3.75 per semester. First and second semester. One lecture and two laboratory periods a week. Three credit hours.

DEPARTMENT OF ECONOMICS

15. **Economics.**—In the first semester the principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. Search will be made for that unity of law which is presupposed in every science.

In the second semester application of economic principles is made to the current problems of labor, immigration, transportation, and monopoly. Several programs such as Government Control, "Profit Sharing," Trade and Labor Unionism, Single Tax, and Socialism will be considered. Special attention will be paid to money and banking. Arguments, pro and con, will be examined and special study will be made of the many current proposals for social betterment.

Taussig's "Principles of Economics" and Seager's "Principles of Economics" were the texts used this year.

First and second semesters, three hours a week, Junior year.
Open only to Juniors and Seniors.

DEPARTMENT OF EDUCATION

15. History of Education.—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticise our own ideals and methods in the light of these. Text: Monroe's History of Education. This course is open to Juniors and Seniors. Advised Prerequisite, Psychology 15 and 16. First semester, 3 hours.

16. Principles of Secondary Education.—The scope of secondary education; the underlying factors which should determine character; the organization of secondary education; and the subject matter which should be taught. Text: Monroe's Principles of Secondary Education. This course is open to Juniors and Seniors. Prerequisite, Education 15. Second semester, 3 hours.

DEPARTMENT OF ENGLISH

24. Rhetoric and Composition.—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Texts: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pilkin: Short Story Writing; Esenwein: Studying the Short Story. Prerequisite: see College Entrance Requirement. Time, Four hours per week during entire year.

25. Old and Middle English.—History of Old and Middle English studied. Reading of Beowulf, Old English Prose and Poetry; Malory's Mort-d'-Arthur—Tennyson's Idyll's of the King; Chaucer's Canterbury Tales; Spenser's Fairie Queen and Bacon's Essays. Fortnightly themes. Texts: Beowulf: Child's translation Old English Prose and Poetry; Cook and Tinker: Chief Middle Poets; Jessie Weston: Canterbury Tales, MacMillan Edition; Fairie Queen, Macmillan Edition; Bacon's Essays. Prerequisite, English 24. Time, 3 hours per week, first semester.

26. Shakespeare.—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-

five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's Complete works; Manly: "Pre-Shakespearean Drama; Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester.

27 (a). **Milton.**—Study of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, the minor poems and selections from Milton's Prose. Text: Milton's Poems (Student's Cambridge Edition); Selections from Milton's Prose: Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, one hour per week, first semester.

28. **Dante.**—Study of Dante's *Inferno*, *Purgatorio* and *Paradiso*. Texts: Gardner: *Dante Primer*; Dante's *Divine Comedy*: Gollancz (in *Temple Classics*). Prerequisite, English 24. Time, one hour per week, first semester.

29. **Literary Criticism.**—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: *Principles of Literary Criticism*: Winchester. Prerequisite, English 24. Time, one hour per week, first semester.

30 (a). **Classicism and Romanticism.**—Lectures and recitations tracing the movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: *The beginning of the Romantic movement in the 18th century*: Phelps. Prerequisite, English 24. Time, one hour per week during second semester.

31 (b). **Tennyson and Browning.**—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Student's Cambridge Edition); Phelps: Browning, *How to Know Him*. Prerequisite, English 24. Time, one hour per week during second semester.

32 (c). **American Poets.**—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: *Representative American Poets*: Curtis Hidden Page. Prerequisite, English 24. Time, one hour per week during second semester.

33. **Modern Drama.**—Lectures and Readings—Ibsen, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Gals-

worthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. ———. Time, three hours per week, first semester.

30 (a). **British Poets of the 19th and 20th Centuries.**—A study of the lives and works of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swineburn, Rosetti, Kipling and the new poets of today. Prerequisite, English 24. Texts: British Poets of the 19th Century: Curtis H. Page. Time, two hours per week, second semester.

30 (b). **English Essayists of 19th Century and Essayists of Today.**—Advanced study of five or six essayists, noting biographical, historical, philosophical qualities—the relation of such literature to the forces of social life. The work will be based on typical essays of Lamb, DeQuincey, Macaulay, Carlyle, Ruskin, Newman, etc. Text: Winchester: "A Book of English Essayists." Prerequisites, English 24, 27, 28. Time, one hour per week during the second semester.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. **Physiography.**—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, three hours a week.

16. **Historical Geology.**—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the

work. Geology 15 is a desirable prerequisite. Second semester, three hours a week.

17. **Field Geology.**—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GERMAN

It is the purpose in the first two years of this department to establish a thorough foundation and working knowledge for an appreciative study of the German masterpieces in the advanced courses. Accurate pronunciation is insisted upon and a thorough drill in declensions, conjugations, and grammatical principles is carried on throughout the course. Great stress is laid upon rendering idiomatic translations into pure English. German conversation is a very important part of this course, and after the first-year students have acquired a knowledge of the forms, the classes are conducted in the German language. Frequent practice is given in German composition work including sentences, short essays, descriptions and stories.

15. **Elementary German.**—Mesher's German Grammar; such easy texts as Immensee and Germelshausen. The aim of this course is to enable the student to pronounce German correctly, to read and translate German of ordinary difficulty, and to acquire a considerable degree of proficiency in conversing and writing in German. Conversation and prose composition based upon the texts used in class, form a part of this course. German poems are memorized.

Throughout the year, four hours.

16. **Intermediate German.**—Pope's Writing and Speaking German including conversation and composition, one hour a week throughout the year. First semester, Stern's *Aus Deutschen Meisterwerken*, consisting of stories based upon the epic-saga literature of the Middle Ages: Gudrun, the Nibelungenlied, Parzival and Tristan und Isolde. The course is entirely in German and consists in conversation based upon the text, synonyms and definitions of words in German. Second semester, Schiller's *Wilhelm Tell* and Goethe's *Hermann und Dorothea*.

In connection with the study of the classics in this and in the advanced courses the following points are considered: life and importance of the author, historical background, plot, structure, character development and literary qualities.

Open to those who have completed Course 15 or have presented two units of credit from High School.

Throughout the year, three hours.

17-18. Advanced German.—A thorough study of German Literature from the beginning down to and including Goethe. First semester, an exhaustive study of Lessing, his life and his works and his place in literature. Read critically in class *Minna von Barnhelm* and *Nathan der Weise*, laying special emphasis upon the author's religious philosophy in the latter. Second semester, study of the life and rank of Goethe as a German author. Read in class his *Iphigenie*, *Sesenheim*, and study and interpret his *Faust*. German themes.

Open to those who have completed Courses 15 and 16 or their equivalent.

Given in 1918-1919.

Throughout the year, three hours.

19-20. Advanced German.—German Literature from Goethe to the present time. First semester, a thorough study of Schiller and some of his masterpieces: *Die Junfrau von Orleans*, *Maria Stuart*, *Wallensteins Tod*, *Das Lied von der Glocke*. Second semester, the reading of modern drama and fiction. Collateral reading and reviews of German novels read outside of class.

Open to those who have completed Courses 15 and 16 or their equivalent.

Given in 1917-1918.

Throughout the year, three hours.

DEPARTMENT OF GREEK

The course in Greek covers three years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul if acquired in a fair measure will make it easier for a capable student to find his way through the great books and ideas and art productions of the world.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation.

15. Beginner's Course.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman Year, 4 hours.

16. Xenophon and Herodotus.—Parts of one or both authors with special attention to the structure of the Greek language and differences between the Attic and Ionic dialects. Readings from Histories of Greece in English.

First semester of Sophomore Year, 3 hours.

17. Homer.—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer.

Second semester of Sophomore Year, 3 hours.

18. Plato.—Apology, Cristo, Phaedo; Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught after ages the meaning of "reasoned truth."

First semester of Junior Year, 3 hours.

19. Greek Drama.—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Second semester of Junior Year, 3 hours.

21. New Testament Greek and Greek Literature.—Selections from Gospels and Epistles. Hellenistic Greek. Connected view through lectures and readings or text-book of the whole course of Greek literature.

First semester, Senior Year, 3 hours.

22. Greek Archaeology.—The contributions the Greeks have made, apart from their writings, to civilization. Their art, science, philosophy and politics in their enduring effect in modern life.

Second Term, Senior Year, 3 hours.

DEPARTMENT OF HISTORY

22. English History.—The purpose of this course is to give the student a comprehensive view of English history, to make him acquainted with the life and institutions of the English people, to enable him to trace the unity and continuity of America's civilization with that of the mother country, and to furnish him a view in true perspective of the place that England has occupied in the political, social, industrial, and intellectual progress of the world. Special attention is given to the social and industrial development of Great Britain, particularly in the twentieth century. Careful study is made of the growth of the British constitution.

Cross' "A History of England and Greater Britain" and Ticknor's "Social and Industrial History of England" were the text books used this year.

First semester, three hours a week (Freshman Year).

23. American History.—The preceding course in English History prepares the student for an intelligent study of the history of his own land. In this course, while the chief events will be brought clearly into view, special emphasis will be laid on principles and movements, and the student will be led to view his own country in its relation with that of other nations. Special search is made for the unique characteristics of American social and political life.

The text books used are "The Formation of the Union" by Albert Bushnell Hart and "Division and Reunion" by Woodrow Wilson.

Second semester, three hours a week, (Freshman Year).

24. History of Revolutionary Europe.—This course deals particularly with the history of Europe from 1789 to 1815 but careful study will be made of the important periods leading up to the French Revolution. The intention is not so much to follow the military events of which those years were so full as to realize the transition from the old to the new that was then going on, and to gather up and impress the permanent results of the Revolution.

First semester, three hours a week, (Sophomore Year).

25. Modern Europe.—Beginning with 1815, where the preceding course breaks off, this course continues the study of European history down to the year 1914. The "concert of Europe," the "Balance of Power," and the "Confederation of Europe," are some of the features of this period which will be made prom-

inent. Colonial expansion, the acquisition of territories, and the growing complexities of international relations will be traced throughout the course of the century. Special study will be made of developments leading to the Great War.

The text book used this year is Hazen's "Europe Since 1815." Second semester, three hours a week, (Sophomore Year).

26. Mediaeval History.—This course deals with the most important features of the Middle Age, the temporal and spiritual power of the Papacy, the persistence of the imperial idea, the growth of a community of nations, and the currents of thought that characterize the period.

Elective, first semester, two hours a week.

27. American History, Geographically Studied.—The purpose of this course is to study American history from a geographic standpoint to discover the influence of natural conditions upon our national life.

The text used is "American History and Its Geographic Conditions."

Elective, first semester, two hours a week.

28. Contemporary American History.—From the beginning of the reconstruction period to the present time. The first part of the course will be occupied primarily with a study of the reconstruction period from 1865 to 1877. The second part of the course will be given to study of the social and industrial development of our country from 1877 to the present day.

The text books used are Dunning's "Reconstruction—Political and Economic" and Paxton's "The New Nation."

Elective, three hours a week, second semester.

DEPARTMENT OF HISTORY OF ART

15. This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: History of Architecture; Marquand: History of Sculpture; Van Dyke: History of Painting.

Time, two hours per week throughout the year.

DEPARTMENT OF LATIN

Four semester courses are offered in Latin and the aim in all is preparation for life, in the broadest sense. The editor of the New York Sun said recently that his best proof of the value of classical study was forty years

in a newspaper office. Information, social and literary background, power of interpretation and varied expression are sought in a language that gives us nearly eighty per cent of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts.

15. **Horace.**—Odes, Satires, Epistles. Horace as an exponent of the Augustan Age, as philosopher and literary critic.

First semester of Freshman Year, 3 hours.

16. **Tacitus.**—Agricola and Germania. The Latin of the Silver age. Light thrown on the characteristics of the ancestors of nations now at war in Europe.

Second semester of Freshman Year, 3 hours.

17. **Plautus.**—Trinumnus or Captivi. Early and colloquial Latin. Intimate knowledge of the plain people of the early Republican period of Rome.

First semester of Sophomore Year, 3 hours.

18. **Seneca.**—Medea. Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second Semester of Sophomore Year, 3 hours.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself

well qualified to teach mathematics in the elementary schools or to continue his work in higher institutions of learning.

22. Algebra and Trigonometry with an introduction to Analytical Geometry. Three hours a week, both semesters.

18. Differential and Integral Calculus.—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practical problems. Text book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

19. Differential Equations.—Equations of the first and second order of linear equations, solutions in series, partial differential equations, etc. Text book: Johnson's Differential Equations.

Three hours a week, first semester.

20. Analytic Mechanics.—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text book: Bowser's Analytic Mechanics.

Three hours a week, second semester.

21. Fouriers Series and Harmonic Functions.—Development in series, solution of certain partial differential equations. Text book: Byerly's Fouriers Series and Spherical Harmonics.

Three hours a week, second semester.

DEPARTMENT OF PHILOSOPHY

15. The Problems of Philosophy.—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Ethics which follow. The work in this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. Texts for 1917-1918: Paulsen's Introduction of Philosophy; James' Some Problems of Philosophy. This course will be open to Juniors and Seniors.

First semester, 3 hours.

16. History of Philosophy.—The aim of this course is to trace the progress of philosophic thought from the Greek period

to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. Text for class use: Roger's Student History of Philosophy. Text for applied study: Weber's History of Philosophy, or Cushman's History of Philosophy. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

17. **Logic.**—The general character of the thinking process is taken up; its laws of development are studied and the way thought actually proceeds in the solution of problems. The important methods are considered and tested as to their relative importance and logical validity. Texts: Creighton's Logic; Dewey's How We Think.

First semester, 2 hours.

18. **Introductory Ethics.**—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's Problems of Conduct. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take three periods per week for 12 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. The laboratories and lecture room are provided with a direct electric current of 110 volts, which the Armstrong Cork Company donates to the college for scientific work.

1. General Advanced Physics.—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, three hours a week, both semesters.

Laboratory Course

The work in this course comprises methods of mathematical demonstration and investigation of the principles of Physics and instruction in the use and adjustment of instruments, together with quantitative problems, the data of which are obtained by individual experiments. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Milligan and Mann's Molecular Physics and Heat, and Milligan's Sound, Heat and Electricity.

Four hours a week throughout the year.

DEPARTMENT OF POLITICAL SCIENCE

Political Philosophy.—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God,

grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text book, lecture, theses.

Two hours a week, both semesters.

DEPARTMENT OF PSYCHOLOGY

15. **Introductory Psychology.**—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Pillsbury's *The Fundamentals of Psychology* will be required as text, and in addition, considerable assigned reading outside of the text. First semester, 3 hours.

16. **Social Psychology.**—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relation of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text. Prerequisite, Psychology 15. Second semester, 3 hours.

DEPARTMENT OF PUBLIC SPEAKING

15. **Principles of Speaking.**—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—the coordination of mind, voice and body. First semester, two hours, required of all Sophomores.

16. **Literary Interpretations.**—The application of the fundamental principles to the interpretation of selections from literature. Second semester, two hours a week required.

17. **Extempore Speaking.**—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, two hours a week required.

18. **The Acting Drama.**—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational value, the choice of plays, selecting the cast, rehearsals, stage managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, two hours a week.

19. **Story Telling.**—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, two hours a week.

20. **Debate.**—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week.

21. **Debate.**—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week.

22. **Oration.**—The writing and delivering of orations. Training in the criticising and judging of orations. One hour a week.

23. **Oration.**—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week.

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed frequently and after the first-year students have acquired a

sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15. **Elementary French.**—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France* or *Ca et Là en France*. Read *La Tâche du Petit Pierre*. Throughout the year, four hours.

16. **Advanced French.**—Continued grammar drill. Prose composition and conversation one day a week throughout the year. Study of French Literature. Read Dumas' *Le Comte de Monte Cristo* and *Les Trois Mousquetaires*. Victor Hugo's *Les Misérables* is read from a critical and literary standpoint and the character development of Jean Valjean is studied from a psychological standpoint. Hugo's *Hernani* or Corneille's *Cid* is studied as a type of the French drama. Outside reading and book reviews from such authors as Corneille, Racine and Molière. Throughout the year, three hours.

17. **Elementary Spanish.**—DeVitis' Spanish Grammar. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Hall's *All Spanish Method* is used as a basis for conversation. Read E. Pájaro Verde and *El Capitán Veneno*. Throughout the year, four hours.

EXTENSION DIVISION

RENWICK HARPER MARTIN, A. B., D. D.
PRESIDENT OF THE COLLEGE

HARRY H. WYLIE, A. M.
DIRECTOR

A. B., Muskingum College; A. M., Harvard University;
University of Chicago
PSYCHOLOGY

J. BRAD CRAIG, A. B.
A. B., Geneva College; A. B., University of Chicago
MATHEMATICS

A. A. JOHNSTON, A. M., B. D.

A. B., Geneva College; A. M., Princeton University; B. D.,
Princeton Seminary; University of Edinburgh
ECONOMICS

HELEN E. McCLINTOCK, A. M.

A. B., Allegheny College; A. M., Allegheny College; University
of Göttingen
ROMANCE LANGUAGES

MRS. HARRY H. WYLIE, A. B.

A. B., Geneva College; University of Chicago
ROMANCE LANGUAGES

MABEL E. FORBES, A. B.

A. B., Geneva College
GERMAN

EVANGELINE METHENY, A. B.

A. B., Geneva College
ENGLISH

Organization. Extension work in the School of Liberal Arts was organized in the Fall of 1916. The same courses are offered as in the regularly organized classes in this School. These courses, when completed satisfactorily, give the same number of credit hours as when taken in the regular classes. During the year 1916-1917 extension classes were conducted in Introductory Psychology, Social Psychology, History of Education, Principles of Secondary Education, German, French, Spanish, Economics, English, Mathematics, and Physics. The courses conducted during 1917-1918 will be determined by the demand. Persons thinking of enrolling in the extension classes should enroll promptly at or before the opening of the First Semester.

Entrance Requirements. The entrance requirements are the same as for the regular School of Liberal Arts. If the person entering desires to become a candidate for a degree, fifteen units of preparatory work are required. If the person entering wishes to do special work not looking toward a degree, only such units of preparatory

work will be required as are necessary to prepare him for taking up the work in the particular subjects which he desires.

Tuition Charges. The tuition charges for work in extension courses will be three dollars (\$3.00) per semester hour of credit. Thus, any course giving three (3) semester hours will cost nine dollars (\$9.00). Payment of tuition in these courses must be strictly in advance and no refund will be allowed for withdrawal after enrollment has been made.

SUMMER SESSION

In the Summer of 1916 for the first time the College offered an opportunity to take college work during the summer. The work was successful in every way. This work receives college credit and can be offered as part fulfilment of the requirements for a B. S. or an A. B. degree. It is particularly suited to those who teach during the winter and wish to do some college work during the summer; to high school graduates who wish to begin at once their college course and thus shorten the time necessary to complete it; and to college students who want to make up required work or want to make it possible to graduate in three years.

The summer work, taken in connection with the extension work offered during the regular year in the evenings and on Saturdays, makes it possible even for those not regularly enrolled in college to carry forward continuously throughout the year college work leading to a degree. In this way it becomes possible to secure a college education without losing time from regular employment and a fine opportunity is furnished to those who could not otherwise secure a college education.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French and German is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
PRESIDENT OF THE COLLEGE

FRANCES E. WADDEL, A. M.
DIRECTOR

Philip, Paris; Barth, Berlin
PIANO, THEORY, HARMONY, AND HISTORY

ELIZABETH D. JOHNSTON, B. S.
B. S., Geneva College
PIANO

EDWARD F. KURTZ
(Formerly of The Pittsburgh Orchestra)
VIOLIN, VIOLA, 'CELLO

ERNEST LUNT
(Director of Pittsburgh Mendelssohn Chorus)
VOICE

OLIVE G. ELLIOTT
VIOLIN

HELEN E. McCLINTOCK, A. M.
A. B., Allegheny College; A. M., Allegheny College;
University of Göttingen
GERMAN AND ROMANCE LANGUAGES

PIANO

This department is under the direction of Miss Frances E. Waddel, who has had the advantage of study under the best teachers in Europe and America, among whom being Mr. William Sherwood, of Chicago, and Mr. Carl Faeldon, director of the New England Conservatory of Music, of Boston, also studying several years under the distinguished teacher, Heinrich Barth, court-pianist to Emperor William of Germany. The year 1911 she spent in study in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddel's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Bessie Johnston, a graduate of Geneva College, class of 1901 (Scientific Course). She was a pupil of Miss Waddel, taking her degree in music in the Mercer Academy and School of Music. Miss Johnston has had six years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSE OF STUDY

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. **Introductory Course.**—This course is open to those who wish to study music, but do not desire to graduate. No previous

knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. Diploma Course.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschhorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, etudes op. 10 and op. 25, Chopin, Kessler, Liszt, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Rules and Regulations.—Bills are payable one-half at the beginning of the term, balance in the middle of term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronouncing him to be the greatest Choral Conductor he had met in his travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading Church singers and teachers of Pittsburgh and district being represented as artist pupils and coaching in Concert, Church and Oratoris repertoire. He will teach at Geneva College on Tuesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel Part 1. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel Part 1 and 2. Tone modulation and color, flexibility, staccato, expression and phrasing.

Songs, Cycles and Oratorio Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of ten weeks:

One lesson weekly.....	\$20.00
Two lessons weekly.....	\$40.00

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

During the year 1917-1918, Mr. Lunt will have as assistant Mr. Earl Yearsley of Pittsburgh. His rates will be announced later.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

First Grade: Hohmann method. Studies by Hoffman, Wohlfahrt, Sevcik, etc.

Second Grade: Sevcik continued. Position studies by De Beriot, Schoen, etc. Scales by David.

Third Grade: Sevcik op. 1 continued. Op. 8-9 commenced. Etudes by Kayser, Dont, Mazas, etc. Pupil's concertos and sonatinas.

Fourth Grade: Etudes by Kreutzer, Fiorillo, etc., also concertos by Viotti, Kreutzer, etc., and Sonatas by Mozart, Beethoven, Schubert, etc.

Solo work is given throughout the course and opportunities for ensemble work are offered to the advanced.

POST-GRADUATE COURSE

For those wishing to engage in professional work a post-graduate course is offered.

First Grade: Etudes by Rode. Scales by Sauret. Studies by Dont, Mazas. Concertos by David, Spohr, etc.

Second Grade: Sevcik, op. 1, 2, 8, 9 reviewed. Scales in double stops by Sauret. Studies by Garvinies Sauret. Concertos by Mendelssohn, Vieuxtemps, Wieniawski, etc.

Third Grade: Etudes and Caprices by Paganini. Solo Sonatas by Bach. Concertos by Brush, Beethoven, Tschaikowsky, Elgar, etc.

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
PRESIDENT OF THE COLLEGE

M. CAROTHERS McCONAGHA, B. E.
DIRECTOR

B. E., National School of Oratory; University of Chicago;
University of Michigan
PUBLIC SPEAKING

EVANGELINE METHENY, A. B.
A. B., Geneva College
ENGLISH

HARRY H. WYLIE, A. M.
A. B., Muskingum College; A. M., Harvard University;
University of Chicago
DEBATING AND ORATORY

EARL A. MOORE, A. B., B. O.
A. B., Geneva College; B. O., Geneva College
DEBATING

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 15 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

One lesson per week.....	\$22.00
Two lessons per week.....	\$40.00
Three lessons per week.....	\$60.00
Lessons less than sixteen in number, \$1.50 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving "impressions * * * correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. **Extempore Speaking.**—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. Dramatic Expression.

a. Scene work—original cuttings (ten-fifteen minute length) One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. **Story Telling.**—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. Literary Interpretation.

a. Shakespeare—two comedies, two tragedies, two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four lyrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. **The Bible—Text:** "Vocal and Literary Interpretation of the Bible," Curry.

6. **Excerpt Making.**—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than 3a Drama Expression). Arranging for full evening recital (about one and one-half hours) a drama or novel.

7. **Recitals.**—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. **Teaching Problems.**—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

NORMAL SCHOOL

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
PRESIDENT OF THE COLLEGE

HARRY H. WYLIE, A. M.
DIRECTOR
Professor of Education, Geneva College

ROBERT C. COLWELL, A. M.
Professor of Mathematics, Geneva College

LEROY PATTON, A. B., B. S., M. S.
Professor of Chemistry, Geneva College

SLOANE C. MARTIN, A. B.
Professor of Biology, Geneva College

EVANGELINE METHENY, A. B.
Assistant Professor of English, Geneva College

MRS. HARRY H. WYLIE, A. B.

DAVID C. LOCKE, A. B.
Superintendent of Beaver County Schools

WALTER E. ROSENBERGER, A. M.
Superintendent of Aliquippa Schools

FRANK A. BARKLEY, A. B.
Superintendent of Freedom Schools

JOHN M. JAMISON, B. S.

MARGARET WILSON, A. B.
Principal of Hooker High School

A. D. DUNGAN
Principal of Vanport Schools

T. EARL BOLIVER
Principal of Koppel Schools

RALPH S. HOOD

Principal of College Hill Schools

CORA M. FORD

Teacher of Music and Drawing, Beaver Schools

WORK OFFERED

The Summer School of Geneva College was not originally under the direct control of the College, but in recent years has been made an integral part of the regular college organization. The purpose of the Normal School is to afford opportunity for instruction and educational advancement to those desiring certificates to teach. The courses are planned particularly to suit the needs of Pennsylvania teachers. All the branches necessary to secure Provisional, Professional, and Permanent Certificates under the Pennsylvania State Law are offered. The Normal School opens the next Monday after the regular College Commencement and continues for six weeks.

For detailed information concerning the Normal School write for the Bulletin of the Summer School or address inquiries to the Director of the Summer School.

ART DEPARTMENT

This department is in charge of Miss Edwards.

The instruction pursued in this department of the college has for its object systematic training in the practice of art and in the knowledge of its scientific principles.

The elementary stages develop a knowledge of form, the laws of light and shade, color and perspective.

The time required to complete the course depends upon the talent and industry of the student. Students will be advanced as rapidly as the teacher considers advisable.

The college has purchased a new kiln for firing china, which is placed in the studio, so that anyone wishing to take instructions in firing can do so.

The department holds an annual reception and exhibition of pupils' work on the Wednesday of Commencement week.

ORDER OF STUDIES

Charcoal Drawing and Shading from Casts of Geometric Figures and Vases. Proportion—Light and Shade.

Water Color Sketching and Painting from Nature; Outdoor work—Spring and Fall terms. Geneva College is situated in one of the most picturesque valleys of the State, and the opportunities for outdoor sketching are almost unlimited. The studio is within five and ten minute walks to river views of wonderful natural beauty, and the surrounding country furnishes excellent subjects for painting.

China Painting, consisting of a complete course in designing, naturalistic and conventional work, lustre and gold etching. Fine firing a specialty.

All fees in this department are payable to the instructor.

Drawing, 18 lessons, \$8.00. Painting in water colors or china decorating, 75 cents in classes, covering a period of three hours. Private lessons arranged for.

DEGREES AND HONORS CONFERRED

COMMENCEMENT, JUNE 8, 1916

VALEDICTORY.....	Charlotte Fay Forbes
SALUTATORY.....	Margaret Jean Shuman

Honorary Degrees

DOCTOR OF DIVINITY.....	J. Robinson McCartney
DOCTOR OF DIVINITY.....	Matthew Henry Smith
DOCTOR OF LAWS	Charles Crisswell Arbuthnot

Bachelor of Arts

Paul Adams	Rutherford T. Johnstone
Kirk R. Armstrong	Elizabeth Luckey
Jessie Boyd	Evangeline Metheny
Dean H. Buchanan	Earl A. Moore
Melville K. Carson	Helen Frances McCabe
Clara J. Clyde	Eda Isabelle Purvis
R. Rex Downie	Alvin W. Smith
Leonard L. Ewing	Eunice Irene Tyrrell
Charlotte Fay Forbes	Mary Alta Lola Weir
Mabel E. Forbes	William Wilbur Weir

Bachelor of Science

George E. Fee	Theodore S. Swan
Mary Eleanor Murphy	Hildred Thomson
Margaret J. Shuman	Spencer Alwyn Wahl
Melville Wylie	

Bachelor of Oratory

Margaret Ann Carey	Marguerite H. Flower
Anna Kerr Conrad	Earl A. Moore
Mary Alta Lola Weir	

Commencement Speaker

REV. JOHN ROBERTSON McCARTNEY, Geneva, '91
Minister of the First Presbyterian Church, Waterloo, Iowa.

REGISTER OF STUDENTS, 1916-1917

SCHOOL OF LIBERAL ARTS

The figures indicate the number of units of credit, including the Winter Term of 1916-1917. In this list fractions of units are disregarded.

Aikin, Frances, R. F. D. No. 7, Olathe, Kansas.....	2
Alford, Gertrude, 526 Third Ave., New Brighton, Pa.....	2
Allen, David Kell, R. F. D. No. 2, Cadiz, Ohio.....	6
Allen, Iva Jane, R. F. D. No. 2, Morning Sun, Iowa.....	10
Allison, James, 359 Beaver St., Beaver, Pa.....	2
Anderson, Mary Elizabeth, Westview, Beaver, Pa.....	2
Armstrong, Anna Mary, Morning Sun, Iowa.....	2
Armstrong, David T., Morning Sun, Iowa.....	2
Bade, William Henry, 810 Tripoli St., N. S. Pittsburgh, Pa.....	8
Baker, Josephine, 158 Beaver St., Beaver, Pa.....	7
Barner, Armin Karl, 244 Adams St., Rochester, Pa.....	5
Beatty, Ethelwyn Marie, R. F. D. No. 58, Sharon, Pa.....	9
Bell, William Plummer, R. F. D. No. 52, Hilliards, Pa.....	7
Bentley, Mrs. L. L., Park Place, Beaver Falls, Pa.....	
Billig, Thomas Clifford, 522 Thirteenth Ave., New Brighton, Pa.	
Boliver, Thomas Earl, Box 627, Zelienople, Pa.....	1
Boots, Charles Francis, R. F. D. No. 3, Ellwood City, Pa.....	10
Boyd, George Fitz, Randolph, 1026 8th Ave., Beaver Falls, Pa.....	2
Bradley, Charles Edwin, Ouray, Colorado.....	3
Bradshaw, Mary Mellor, 296 Jefferson St., Rochester, Pa.....	10
Brown, James S., R. F. D. No. 83, Portersville, Pa.....	1
Clyde, Arthur H., 3113 Sixth Ave., Beaver Falls, Pa.....	16
Clyde, Eva Belle, 3113 Sixth Ave., Beaver Falls, Pa.....	14
Coleman, George Burt, 4745 Liberty Ave., Pittsburgh, Pa.....	
Cook, Isabel Jane, 3215 Fifth Ave., Beaver Falls, Pa.....	4
Cook, Mary A., 1011 Fourth Ave., Beaver Falls, Pa.....	6
Cornelius, Grace Edna, 720 Eighteenth Ave., Beaver Falls, Pa...	2
Cousins, Beulah May, R. F. D. No. 8, Mercer, Pa.....	9
Crowe, Logan McLeod, Renfrew, Pa.....	2
Davis, Earl, 1141 Corporation St., Beaver, Pa.....	3
Davis, John Edmund, Darlington, Pa.....	10
Dean, Ethel Maude, 500 Tenth St., Freedom, Pa.....	2
Dodds, Miriam Elizabeth, 3237 Fifth Ave., Beaver Falls, Pa.....	2
Dodds, Wycliffe Wylie, 3001 College Ave., Beaver Falls, Pa.....	13
Dougherty, Edward T., 1707 Fourth Ave., Beaver Falls, Pa.....	16

Downie, John Lincoln, 3127 College Ave., Beaver Falls, Pa.....	11
Downie, Mary Lydia, 3127 College Ave., Beaver Falls, Pa.....	6
Duncan, Leonard S., R. F. D. No. 3, New Galilee, Pa.....	6
Dungan, Archie D., 1307 Third St., Beaver, Pa.....	
Edgar, Lloyd McElhinney, R. F. D. No. 2, Morning Sun, Iowa....	14
Edie, Lillian Bay, 239 S. Pitt St., Mercer, Pa.....	6
Elliott, Olive Grace, 510 Pine St., New Castle, Pa.....	10
Elliott, Thomas Irwin, 510 Pine St., New Castle, Pa.....	11
Ellis, Alberta Marguerite, 1002 Tenth Ave., New Brighton, Pa.	
Ewing, Elizabeth Vesta, R. F. D. No. 2, Beaver, Pa.....	14
Fee, Joseph Chester, Stafford, Kansas.....	2
Ferrante, Anthony, Beaver St., Wampum, Pa.....	
Finley, Willard Lyle, R. F. D. No. 2, Sparta, Ill.....	3
Fitzgerald, Burton Tanney, 2535 Perrysville Ave., Pittsburgh, Pa.	
Fleeger, Mary Margaret, R. F. D. No. 2, West Sunbury, Pa.....	
Forbes, Robert Galbraith, 2829 Fourth Ave., Beaver Falls, Pa...	1
Forsythe, James Dickson, R. F. D. No. 1, New Galilee, Pa.....	2
French, Frances Elma, 215 Weaver St., New Castle, Pa.....	
Fullerton, Robert Irl, R. F. D. No. 4, Sterling, Kansas.....	15
Galbraith, Eleanore S., 620 Taylor St., New Castle, Pa.....	6
Gallagher, Gilbert Grover, 401 35th St., Beaver Falls, Pa.....	14
Gardner, Bernice Evelyn, 403 Builders Exchange Building, Baltimore, Md.	10
Giffen, Mary Louisa, R. F. D. No. 2, Volant, Pa.....	6
Giffen, Walter Dieffenbacher, R. F. D. No. 2, Volant, Pa.....	15
Gilchrist, Herbert C., R. F. D. No. 1, Superior, Nebraska.....	6
Gilmore, Harlan Alexander, 3125 Sixth Ave., Beaver Falls, Pa...	6
Gilmore, Lawrence Blair, 3125 Sixth Ave., Beaver Falls, Pa.....	2
Girvan, Emily May, 2322 Seventh Ave., Beaver Falls, Pa.....	7
Glasser, Leah Edna, R. F. D. No. 3, Ellwood City, Pa.....	6
Graham, George Claude, 315 32nd St., Beaver Falls, Pa.....	14
Groleau, Eugene, Monaca, Pa.	
Hamer, Glenn L., 524 Thirteenth Ave., New Brighton, Pa.....	
Harper, Mary Luella, Beaver, Pa.....	4
Hays, Evadna Martha, 3217 Sixth Ave., Beaver Falls, Pa.....	
Hays, Jean Eleanor, 3217 Sixth Ave., Beaver Falls, Pa.....	1
Hemphill, Robert Wylie, R. F. D. No. 5, Olathe, Kansas.....	2
Hicks, Edward Francis, 722 Ninth Ave., Beaver Falls, Pa.....	3
Hockenberry, Denny Lynn, West Sunbury, Pa.....	
Hockenberry, Horace Hugh, West Sunbury, Pa.....	
Hogue, Harry E., R. F. D. No. 1, Ellwood City, Pa.....	14
Hood, Ralph S., 3307 Fifth Ave., Beaver Falls, Pa.....	
Hunter, Martha Warrick, 2401 Seventh Ave., Beaver Falls, Pa...	2
Huston, Lowell Elder, R. F. D. No. 2, Elmo, Mo.....	2

Hutchinson, Alfred Hale, 223 Fourth St., Beaver, Pa.....	2
Huth, Emory W., New Brighton, Pa.....	2
Ingram, Bessie Park, 723 Eleventh St., New Brighton, Pa.....	6
Jackson, Ada Luola, 1401 Fifth Ave., Freedom, Pa.....	
Jameson, Melvin R., Hetherton, Mich.....	14
Jarrett, Leon Edwin, 483 Virginia Ave., Rochester, Pa.....	2
Johnston, Harry Campbell, 445 E. Jackson St., Rochester, Pa...	2
Johnston, Jane Eleanor, 75 Lafayette Ave., N. S. Pittsburgh, Pa.	2
Jones, Anna Lucene, Vanport, Pa.....	14
Jones, Richard Vernon, Vanport, Pa.....	3
Jordan, Frank F., R. F. D. No. 3, Volant, Pa.....	10
Jordan, Paul M., R. F. D. No. 3, Volant, Pa.....	6
Karcher, Marian Elizabeth, 214 Washington St., Rochester, Pa.	7
Kelso, Nannie Imbrie, New Galilee, Pa.....	13
Kemm, Beulah Belle, 1008 E. Washington St., New Castle, Pa...	2
Kerr, Lois Belle, 1116 Sixth Ave., Beaver Falls, Pa.....	
King, Boyd Walker, 1022 Seventh St., Beaver, Pa.....	2
Klingelhoef, Onita Julia, Beaver, Pa.....	6
Kraus, Lawrence J., 700 Park Ave., Ellwood City, Pa.....	10
Latimer, Esther Margaret, R. F. D. No. 1, Glen Sanfield, Ontario, Canada	5
Loeffler, Theodore P., 3302 Fifth Ave., Beaver Falls, Pa.....	14
Lytle, Ethel Margaret, 1021 Eighth Ave., Beaver Falls, Pa.....	2
McBurney, Mary Lois, West Pike St., Canonsburg, Pa.....	9
McCabe, Emma May, 517 Eleventh Ave., New Brighton, Pa.....	15
McCarroll, Mrs. W., Larnaca, Cyprus.....	
McClurkin, John Calvin, R. F. D. No. 2, Morning Sun, Iowa.....	10
McConagha, Mrs. Mary Carothers, 3231 4th Ave., Beaver Falls	
McCracken, C. Spurgeon, West Sunbury, Pa.....	11
McCracken, Margaret May, West Sunbury, Pa.....	11
McDowell, Walter R., Box 261, Leechburg, Pa.....	15
McGoun, Jean, 1000 Fifth Ave., Beaver Falls, Pa.....	
McKee, Sara Jane, 494 Second St., Beaver, Pa.....	
McKelvy, Henry Easson, Hetherton, Mich.....	7
McKim, William Robert, 3815 38th St., Beaver Falls, Pa.....	10
Maloy, Beatrice Amanda, 1816 Twelfth Ave., Altoona, Pa.....	2
Martin, Donald Kargill, 3110 Fifth Ave., Beaver Falls, Pa.....	5
Mathews, John Clifford, R. F. D. No. 5, Sparta, Ill.....	10
Mearns, Mary Florence, 523 Denny Way, Seattle, Wash.....	16
Mellon, David Duane, 300 Mercer Ave., New Brighton, Pa.....	2
Merrilees, Clyde Alexander, 905 Rush Ave., Bellefontaine, O.....	10
Miller, Charles Winfred, 903 S. Market St., Sparta, Ill.....	2
Mills, Henry Howard, Smiths Ferry, Pa.....	
Mitchell, James Louthan, R. F. D. No. 1, Bostwick, Neb.....	2

Moore, Jessie Katherine, 822 Carson Ave., La Junta, Colo.....	9
Murphy, Murdick Freeman, 410 Highland Ave., Connellsville..	7
Orr, Cora Isabella, 717 San Juan Ave., La Junta, Colo.....	5
Overholt, Marjorie, 582 Fifth St., Beaver, Pa.....	1
Page, Gertrude Mary, 2709 Elmwood Ave., Erie, Pa.....	2
Patterson, Mabel Crete, R. F. D. No. 4, Bellefontaine, Ohio.....	2
Patterson, Mary Frances, 439 College Ave., Beaver, Pa.....	
Patterson, Mary Stephenson, R. F. D. No. 4, Bellefontaine, O...	8
Patton, Alice Reid, Morning Sun, Iowa.....	2
Perrott, Eugene Thomas, 1020 Eighth Ave., Beaver Falls, Pa.....	14
Platt, Eleanor Marie, 3500 Sixth Ave., Beaver Falls, Pa.....	15
Plympton, William, 1929 Sixth Ave., Beaver Falls, Pa.....	
Porter, L. K.	
Powers, John Samuel, R. F. D. No. 2, New Castle, Pa.....	1
Ransom, Frederick Brown, 3233 Sixth Ave., Beaver Falls, Pa.....	4
Redpath, James Samuel, R. F. D. No. 7, Olathe, Kansas.....	2
Reuff, Reba Alberta, 204 Fourth St., Ellwood City, Pa.....	2
Reynolds, Margaret, Utica, Ohio.....	7
Richards, Nicholas Fox, 147 D St., Johnstown, Pa.....	8
Robinson, Mrs. Edna May, 1320 Eighth Ave., Beaver Falls, Pa.	
Rodgers, Dora Grace, 810 Croton Ave., New Castle, Pa.....	
Roney, Rena Woodburn, 1116 Fifth Ave., Beaver Falls, Pa.....	14
Rowe, Fern Ethel, 2308 Twelfth Ave., Beaver Falls, Pa.....	2
Ruhe, Ruth, 229 Alexander St., Greensburg, Pa.....	2
Ryan, Mary Agnes, 917 Shoonmaker Ave., Monessen, Pa.....	2
Schoffstall, Violet Mae, 1004 Morgan Ave., Monessen, Pa.....	2
Schumaker, Emma Florence, R. F. D. No. 2, Ellwood City, Pa.....	9
Schutte, William Frederick, R. F. D. No. 4, Beaver Falls, Pa.....	2
Searight, Gertrude Isabelle, 746 Sixth St., Beaver, Pa.....	
Shaffer, Amy Viola, 2225 Seventh Ave., Beaver Falls, Pa.....	2
Shaffer, Herbert E., 2225 Seventh Ave., Beaver Falls, Pa.....	
Sheets, Raymond, New Brighton, Pa.....	5
Shelar, Walter Benjamin, 512 Penn Ave., New Brighton, Pa.....	2
Sheldrake, Mary Oswald, 1004 Twenty-fifth St., Beaver Falls....	2
Skeeles, Eva Belle, R. F. D. No. 1, Bloomingdale, Ohio.....	2
Smail, Clarence Morey, 1406 Seventh Ave., Beaver Falls, Pa.....	
Smith, Walter Landis, 400 Twelfth St., New Brighton, Pa.....	2
Steele, Mary Elizabeth, R. F. D. No. 5, Stafford, Kansas.....	10
Steele, Nell McFarland, 249 Third St., Beaver, Pa.....	2
Steele, Samuel A., Crabtree, Pa.....	1
Steen, Albert, Fourth Ave., Beaver Falls, Pa.....	
Sterrett, Karl Fife, Downieville, Pa.....	10
Stewart, Anna Marie, 452 Beaver St., Beaver, Pa.....	2
Stewart, David Boyce, R. F. D. No. 1, Parnassus, Pa.....	2

Stewart, Robert Somerville, 3001 College Ave., Beaver Falls.....	17
Stone, Glenda Frances, R. F. D. No. 4, Beaver Falls, Pa.....	2
Stringer, Carl Johnson, Hopedale, Ohio.....	10
Sweeney, Paul, New Castle, Pa.....	2
Swift, Sara Ruth, 146 W. Chelton Ave., Germantown, Philadelphia, Pa.	2
Taggart, Anna Marie, 1307 Ninth Ave., Beaver Falls, Pa.....	6
Taylor, Clara Clarinda, Slippery Rock, Pa.....	
Taylor, Marjorie Agnes, 66 S. Euclid Ave., Bellevue, Pa.....	7
Todd, Lewis S., Canal St., West Bridgewater, Pa.....	1
Tomasson, Lena Mary, R. F. D. No. 3, Beaver Falls, Pa.....	2
Tweed, Ernest Vincent, 6 Broadway, Denver, Colo.....	15
Vandevort, Frank, 5 Lincoln Apartments, Beaver Falls, Pa.....	
Waite, James Alec, Delmont, Pa.....	
Wagner, Bonnylin Violet, 720 34th St., Beaver Falls, Pa.....	
Wagner, Ernest J., 3808 Fourth Ave., Beaver Falls, Pa.....	
Walker, Elsie Gordon, 812 Coal St., Wilkinsburg, Pa.....	14
Ward, Elizabeth J., 3105 College Ave., Beaver Falls, Pa.....	10
Ward, Thomas J., 3105 College Ave., Beaver Falls, Pa.....	3
White, Boyd A., Winchester, Kansas.....	15
White, Dorothy Olive, 364 Fifth St., Beaver, Pa.....	14
Wilkin, Warren Jordan, Volant, Pa.....	4
Wilson, Ada Marie, 325 E. Loula St., Olathe, Kansas.....	14
Wilson, Ellamae, 554 Tenth Ave., New Brighton, Pa.....	
Wilson, Glenn Thompson, 710 Carson Ave., La Junta, Colo.....	10
Wilson, James Milroy, 710 Carson Ave., La Junta, Colo.....	
Wilson, Richard Quay, Market St., Beaver, Pa.....	8
Wilson, Ruth Elizabeth, R. F. D. No. 1, Ellwood City, Pa.....	7
Wolf, Warren Abraham, 339 Vermont St., Rochester, Pa.....	8
Wolfe, Sarah, 10 Lincoln Apartments, Beaver Falls, Pa.....	14
Wolverton, Jennie Marie, Espyville Station, Pa.....	2
Wright, Herbert Vincent, 1458 Penn Ave., New Brighton, Pa.....	3

SCHOOL OF MUSIC

PIANO

Bauer, Dorothy	Beaver Falls, Pa.
Bauer, Pauline	Beaver Falls, Pa.
Bentley, Alan	Beaver Falls, Pa.
Bentley, Elizabeth	Beaver Falls, Pa.
Bentley, Louis	Beaver Falls, Pa.
Boggs, Loretta	New Galilee, Pa.
Boots, Gladys	Beaver Falls, Pa.
Boyer, Bessie	Beaver Falls, Pa.

Brandon, Betty	Beaver Falls, Pa.
Brandon, Ford	Beaver Falls, Pa.
Davidson, Mabel	Beaver Falls, Pa.
Elmes, Helen	Beaver Falls, Pa.
Fields, Dorothy	Beaver Falls, Pa.
Frederick, Dorothy	Beaver Falls, Pa.
Green, Mildred	Beaver Falls, Pa.
Haeffling, Stella	Beaver Falls, Pa.
Hagerman, Elsie	Beaver Falls, Pa.
Hamilton, Evelyn	Beaver Falls, Pa.
Harlacher, Beatrice	Hanover, Pa.
Harvey, Gwendolyn	Wampum, Pa.
Hiddleston, Paul	Beaver Falls, Pa.
Jamison, DeVere	Beaver Falls, Pa.
Keppen, Wanda	Beaver Falls, Pa.
Ketlmer, Marie	Beaver Falls, Pa.
Latto, Jesse	Beaver Falls, Pa.
Latto, Mildred	Beaver Falls, Pa.
Lemley, Romaine	Beaver Falls, Pa.
Littell, Frieda	Beaver Falls, Pa.
McCabe, May	New Brighton, Pa.
McCandless, Addison	Beaver Falls, Pa.
McClain, Martha	Beaver Falls, Pa.
McConagha, Isabel	Beaver Falls, Pa.
McKean, Hugh	Beaver Falls, Pa.
McKean, John	Beaver Falls, Pa.
McPherson, Ellsworth	Beaver Falls, Pa.
McPherson, Frances	Beaver Falls, Pa.
Mellon, Jean	New Brighton, Pa.
Metheny, Margaret	Beaver Falls, Pa.
Miles, Byrd	Wampum, Pa.
Miller, Elizabeth	Beaver Falls, Pa.
Miller, Frances	New Brighton, Pa.
Millin, Gertrude	Rochester, Pa.
Mitchell, Juliette	Beaver Falls, Pa.
Morse, Flora	Beaver Falls, Pa.
Murray, Frances	Beaver Falls, Pa.
Orr, Cora	La Junta, Colo.
Patterson, Mary	Bellefontaine, Ohio
Pearce, Dorothy	Beaver Falls, Pa.
Porter, Rosetta	Enon, Pa.
Probst, Dorothy	Beaver Falls, Pa.
Raybuck, Thelma	Beaver Falls, Pa.
Richardson, Margaret	Beaver Falls, Pa.

Robinson, Mildred	Beaver Falls, Pa.
Robinson, Richard	Beaver Falls, Pa.
Roys, Sallie	Beaver Falls, Pa.
Scott, Ruth	Beaver Falls, Pa.
Shaffer, Ethel	New Brighton, Pa.
Shannon, Gladys	New Galilee, Pa.
Sheldrake, Mary	Beaver Falls, Pa.
Sheppele, Esther	Beaver Falls, Pa.
Southwick, Cora	Beaver Falls, Pa.
Sparrow, Ione	Kent, Ohio
Sterrett, Jim	Beaver Falls, Pa.
Sterrett, Sara	Beaver Falls, Pa.
Thomas, Billie	Beaver Falls, Pa.
Thomas, Dorothy	Beaver Falls, Pa.
Thomas, Fera	New Brighton, Pa.
Tomasson, Kathryn	Beaver Falls, Pa.
Truver, Florence	Conway, Pa.
Wagner, Clifford	Oakville, Pa.
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Warrensford, Myrtle	Beaver Falls, Pa.
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Yokel, Wanda	Beaver Falls, Pa.

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Carr, Grace	New Brighton, Pa.
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Heath, Howard	Beaver Falls, Pa.
Ingram, Louis	Beaver Falls, Pa.
King, Alvin	Beaver Falls, Pa.
McCandless, Addison	Beaver Falls, Pa.
McConagha, Isabel	Beaver Falls, Pa.
Miller May	Beaver Falls, Pa.
Morris, Hartley	New Brighton, Pa.
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Cross, P.	Rochester, Pa.
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Kress, B.	Rochester, Pa.
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Webb, R.	
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Hobaugh, Margaret	New Brighton, Pa.
Kent, Grace	Beaver Falls, Pa.
McKim, William	Beaver Falls, Pa.
Murphy, Murdick	Connellsville, Pa.
Patterson, Mary	Bellefontaine, Ohio
Platt, Eleanor	Beaver Falls, Pa.
Porter, Rosetta	Enon Valley, Pa.
Powell, Hazel	Beaver Falls, Pa.
Sager, Malia	New Brighton, Pa.
Schutte, William	Beaver Falls, Pa.
Steele, Mary	Stafford, Kans.
Tomasson, Lena	Beaver Falls, Pa.
Walsh, Bertha	Beaver Falls, Pa.
Ward, Thomas	Beaver Falls, Pa.
White, Emma	Winchester, Kans.

NORMAL SCHOOL

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Anderson, Myrtle	Ellwood City, Pa.
Armstrong, Hazel	Beaver, Pa.
Bagshaw, Ethel	Woodlawn, Pa.
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Bell, Mabelle	New Sheffield, Pa.
Bennett, Mary	New Castle, Pa.
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Runyan, Willa	Ellwood City, Pa.
Schondelmeyer, Cecile	Industry, Pa.
Schwartz, Ethel	Monaca, Pa.
Scott, Frances	Beaver, Pa.
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Shanor, Ruth	Rochester, Pa.
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Shumaker, Abbie.....	238 Madison St., Rochester, Pa.
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Snyder, Tessie.....	116 New York Ave., Rochester, Pa.
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McAnlis, Cecil	Beaver Falls, Pa.
McBurney, Lois	Canonsburg, Pa.
Marsey, Edith	Sharon, Pa.
Neely, Blanche	New Brighton, Pa.
Park, Lea	New Brighton, Pa.
Patterson, Mabel	Bellefontaine, Ohio
Patterson, Mary	Bellefontaine, Ohio
Schlotter, Naoma	Beaver Falls, Pa.

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Geneva College Bulletin

JUNE, 1918

VOLUME NINE—NUMBER THREE



CATALOGUE

Announcements for 1918-1919

Register of Faculty and Students for 1917-1918

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Entered as second class matter July 11, 1910, at the Post Office of Beaver Falls, Pa.,
under the Act of July 16, 1894.

Geneva College comprises the following divisions:

The School of Liberal Arts,
The Extension Division,
The School of Music,
The School of Public Speaking,
The Normal School.

The following publications are issued annually by the College:

The College Catalogue,
The Bulletin of the School of Music,
The Alumni Bulletin,
The Bulletin of the Normal School.

Geneva College Bulletin

JUNE, 1918

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CATALOGUE

Announcements for 1918-1919

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PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
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CALENDAR

1918

- Sept. 18—Wednesday, First Semester begins at 9 A. M.
Nov. 27—Wednesday, Thanksgiving Vacation begins
12:00 Noon.
Dec. 3—Tuesday, Classes begin at 8 A. M.
Dec. 20—Friday, Christmas Vacation begins at 4 P. M.

1919

- Jan. 2—Thursday, School resumes at 8 A. M.
Jan. 29—Wednesday, First Semester closes.
Feb. 4—Tuesday, Second Semester begins at 9 A. M.
June 6—Friday, Literary Society Receptions.
June 8—Sabbath, Baccalaureate Sermon.
June 10—Entrance Examinations.
June 12—Thursday, Graduation Day.

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JAMES D. McANLIS, 1917	Beaver Falls, Pa.
REV. G. M. ROBB, 1917	Almonte, Canada
REV. F. M. WILSON, D. D., 1917	Philadelphia, Pa.
REV. ALEXANDER KILPATRICK, D. D., 1918	Valencia, Pa.
GEORGE A. McKEE, 1918	N. S., Pittsburgh, Pa.
REV. E. K. PATTON, 1918	E. E., Pittsburgh, Pa.
REV. R. C. WYLIE, D. D., LL. D., 1918	N. S., Pittsburgh, Pa.
REV. J. S. MARTIN, D. D., 1919	Beaver Falls, Pa.
REV. ROBERT PARK, 1919	Parnassus, Pa.
JAMES SCOTT, 1919	Beaver Falls, Pa.
REV. J. R. WYLIE, D. D., 1919	Beaver Falls, Pa.

BOARD OF TRUSTEES

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REV. ROBERT PARK, Vice-President.....	Parnassus, Pa.
REV. E. K. PATTON, Secretary.....	E. E., Pittsburgh, Pa.
JAMES S. TIBBY, Treasurer.....	Pittsburgh, Pa.
PRES. R. H. MARTIN, D. D., Ex-Officio Member..	Beaver Falls, Pa.
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REV. J. S. MARTIN, D. D.....	Beaver Falls, Pa.
R. M. YOUNG.....	Parnassus, Pa.
JOSEPH M. STEELE.....	Philadelphia, Pa.
REV. J. BOYD TWEED.....	Beaver Falls, Pa.
R. M. PEARCE.....	Beaver Falls, Pa.

Consulting Members Chosen by the Alumni Association

EDWIN F. WENDT, Sc.D.....	New Brighton, Pa.
C. R. MAY, Esq.....	Beaver Falls, Pa.
HON. GEORGE BALDWIN.....	Rochester, Pa.

Representing Business Men of Beaver Valley

J. T. REEVES.....	Beaver Falls, Pa.
J. T. MOLTRUP.....	Beaver Falls, Pa.

ADMINISTRATIVE OFFICERS

RENWICK HARPER MARTIN, A. B., D. D.

PRESIDENT

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PRESIDENT-EMERITUS AND FIELD REPRESENTATIVE

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ASSISTANT TO THE PRESIDENT

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TREASURER

LELIA CAMPBELL, A. B.

DEAN OF WOMEN

HARRY H. WYLIE, PH. D.

DIRECTOR OF SUMMER SCHOOL

DIRECTOR OF THE EXTENSION DIVISION

A. A. JOHNSTON, A. M., B. D.

SECRETARY OF THE FACULTY

EDNA A. GEORGE

LIBRARIAN

ISABELLA STEWART, A. B.

REGISTRAR

M. R. GLOVER

GRADUATE MANAGER OF ATHLETICS

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood, Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnson, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: one from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P. Johnston was elected to the presidency and the college

continued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church, and who had served as Secretary of the Board of Trustees for several years.

CONTROL AND ENDOWMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

The endowment, in connection with the small tuition fees, is sufficient to meet the necessary expenses of the college, and the fact that there is a certain definite income relieves from anxiety as to what the attendance will be year by year.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Pa., and, from the postoffice of Beaver Falls, the smaller town receives free delivery of mail twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 35,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, and Erie & Pittsburgh.

There are many churches of all denominations in the city, and there is also a free library. The residents of

College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with football field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sandstone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and office, several rooms used by the departments of Music, Art, Oratory and Christian Associations, together with six recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the departments of Chemistry and of Biology, the second story by the departments of Physics and of Mathematics. It contains Chemical, Physical and Biological laboratories, with store-rooms and photographic dark room. The laboratories and class rooms are commodious, well lighted and heated.

Dormitory. Geneva Dormitory is the residence hall for women students of the college. The building is two stories high, exclusive of the basement, is lighted by electricity and heated throughout by steam and natural gas. It was entirely remodeled and modernized in the summer of 1915.

The average size of the bedroom is 13 by 14 by 9 feet. Each room has a clothes closet, a study table and other necessary furniture; but each girl is expected to provide her own bed linen, window curtains, bureau and washstand covers, towels and napkin ring.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$35,000, was constructed during the year 1910-1911. It was built in honor of President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes that have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present.

There are also held in the chapel on Sabbath mornings, Bible classes taught by members of the faculty.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each semester as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall ensures the wide influence and vital educative force of constant association with one's peers in all the varied activities of undergraduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory. Applications for rooms should be made to Miss Lelia Campbell, Beaver, Pa. A deposit of \$5.00 must accompany each application.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life today: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of oth-

ers; the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings, or on the grounds, card playing, dancing, frequenting the theatre and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root these out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are beyond home influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelphic Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening of the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of these two societies is to give opportunity for training in public speaking, the programs for regular meetings consisting of essays, declamations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school.

Christian Associations. The Young Men's and Young Women's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctly Christian work. While the original idea was to include those who intended to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formulation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very important place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations. The Glee Club is made up of sixteen men who train under the direction of the Professor of Vocal Music. The tryouts for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made

up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All football, basketball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for intercollegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as University of Pittsburgh, Westminster, Grove City, Thiel, Bethany and Muskingum. Six institutions are represented in the Tri-State Oratorical Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in tryouts open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another examination is made at the close of the year to note the progress made.

Besides the gymnasium class work various forms of intercollegiate athletics are carried on under the direction

of an experienced athletic coach. Football, basketball, tennis, and field and track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

DEBATING

Opportunities are afforded for systematic training in debating, both in the classroom and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least two intercollegiate debates are held each year. Members of the intercollegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a Student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The pur-

pose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year. The annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class of each year shall be members of the Association during the annual business meeting of that year, without the payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President, First Vice-President, Second Vice-President, Secretary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association.

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.

2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."

3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

LECTURE COURSE

Frequently the college offers to its students a free lecture course. Local talent, frequently alumni who are in business or professional life, are invited to speak upon some phase of their work. Because of the short distance to Pittsburgh and the excellent train service, it is possible to levy upon the talent of that city. Lectures on science, politics, literature and other subjects entertain and instruct the college community. A fine projection lantern often makes the lectures most interesting.

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase

every year the latest and best volumes on topics old and new, kindred to the studies of the curriculum.

The library is in care of a Librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 8:00 A. M. to 12:15 P. M.; 1:30 P. M. to 3:30 P. M.

Last year the Geneva College Library was reorganized. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, has been completed. It contains complete subject, title, and author headings for all the books in the library. For this catalogue cards were purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets have been installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

A new chemical laboratory was recently equipped on the ground floor of Science Hall; the Library was remodelled in connection with the introduction of the Dewey Decimal System; a large filing cabinet was installed in the Registrar's office; the President's office and an office room in the Science Hall were completely furnished.

WAR COURSES INTRODUCED

The Board of Trustees, on recommendation of the Faculty, introduced the following war courses into the

curriculum at the beginning of the Second Semester of the college year 1917-18: Food Conservation, Physiography and the War, Physiology, Military French, A Study of the World War, and Christian Internationalism. For particulars see page 51.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music and the degree of Bachelor of Oratory in the School of Public Speaking. The Art Department grants a certificate only and not a degree. The Master's degree is no longer given in course. All other degrees are *honoris causa*. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelors' degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students taking Freshman English. The prize is offered through the generosity of the late Hays Euwer of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1916-17 the topic was assigned to the Department of Chemistry. For the year 1917-18 the topic is assigned to the Department of Biology.

4. History Prize, \$30.00. Through the generosity of the late Henry Wallace, LL. D., of Des Moines, Iowa, this prize is offered for the best work done in the Department of History.

5. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late J. Herbert Morton, sometime principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

6. Bible Prize, \$30.00. This prize is offered by a friend for the best work done in the Department of English Bible.

7. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

8. Classics Prize, \$20.00. Mrs. Jane McClintock, of Morning Sun, Iowa, offers this prize for the best work done in classical studies.

9. Classics and Modern Language Prize, \$15.00. This prize is offered by a friend and is awarded for the best work in the Classics as they are related to Modern Languages and Literature.

10. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the one who represents Geneva in the Tri-State Intercollegiate Oratorical Contest.

EXPENSES

The following expense account is for a student in the School of Liberal Arts. Students in the other schools may estimate accordingly:

Tuition and Contingent Fee.....	\$93.00
Athletic Fee	5.00
Incidental Fee	1.00
	<hr/>
	\$99.00

Dormitory rooms (double) rent for \$8.00 a month. Those on the Hill rent from \$8.00 to \$10.00. This secures all that belongs to a room—light, fuel and care. The boarding is mostly provided for in clubs. Meals in connection with these, ladies and gentlemen eating together, cost about \$4.00 per week. Total expenses for the college year are approximately: Average, \$350; low, \$300; high, \$400.

THE SCHOOL OF LIBERAL ARTS

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

A. B., Geneva College, Columbia University; D. D., Westminster College

PROFESSOR OF BIBLE AND POLITICAL PHILOSOPHY

GEORGE KENNEDY, A. M., D. D.

A. B., Columbia University; A. M., Columbia University;
D. D., Geneva College

PROFESSOR OF GREEK AND LATIN

ROBERT C. COLWELL, PH. D.

A.B., Harvard University; A.M., University of New Brunswick;
University of Chicago; Ph. D., Princeton University

PROFESSOR OF MATHEMATICS AND PHYSICS

HARRY H. WYLIE, PH. D.*

A. B., Muskingum College; A. M., Harvard University;
PH. D., University of Chicago

PROFESSOR OF EDUCATION, PHILOSOPHY, AND PSYCHOLOGY

M. GYLA MacDOWELL, A. M.

A. B., Grove City College; A. M., Columbia University

PROFESSOR OF ENGLISH

LEROY PATTON, A. B., M. S.

A. B., Muskingum College; B. S., University of Chicago;
M. S., State University of Iowa

PROFESSOR OF CHEMISTRY AND GEOLOGY

A. A. JOHNSTON, A. M., B. D.

A. B., Geneva College; A. M., Princeton University, B. D.,
Princeton Seminary; University of Edinburgh;
University of Pennsylvania

PROFESSOR OF ECONOMICS AND HISTORY

*Granted leave of absence at the beginning of second semester on account of war service.

SLOANE C. MARTIN, A. B.**

A. B., Geneva College; University of Chicago

PROFESSOR OF BIOLOGY

CLARA ROSENGARTEN, A. B.

A. B., University of Denver; University of Berlin; University of Pennsylvania; Columbia University

PROFESSOR OF GERMAN AND SPANISH

ISABELLA STEWART, A. B.

A. B., Cincinnati University

PROFESSOR OF FRENCH

WALTER W. MARSHALL, A. M.

A. B., Ohio State University; A. M., Rice Institute; Lake Erie Biological Laboratory; Experiment Station, Texas

A. & M. College; University of Minnesota

PROFESSOR OF BIOLOGY

MRS. H. H. WYLIE, A. B.

A. B., Geneva College; University of Chicago

PROFESSOR OF EDUCATION, PSYCHOLOGY, AND PHILOSOPHY

EVANGELINE METHENY, A. B.*

A. B., Geneva College

ASSISTANT PROFESSOR OF ENGLISH

LELIA CAMPBELL, A. B.

A. B., Geneva College; Johns Hopkins

ASSISTANT PROFESSOR OF ENGLISH

M. CAROTHERS McCONAGHA, B. E.

B. E., National School of Oratory; University of Chicago;

University of Michigan

PROFESSOR OF PUBLIC SPEAKING

EDNA M. GEORGE

PHYSICAL DIRECTOR FOR WOMEN

C. B. METHENY, A. B.**

A. B., Geneva College

PHYSICAL DIRECTOR FOR MEN

*Granted leave of absence at the beginning of second semester on account of war service.

**Granted leave of absence at the beginning of the year on account of war service.

P. H. BRIDENBAUGH, A. B.
A. B., Franklin Marshall College
PHYSICAL DIRECTOR FOR MEN

M. LOUISA GIFFEN
ASSISTANT IN CHEMISTRY DEPARTMENT

WILLARD H. FINLEY
ASSISTANT IN CHEMISTRY DEPARTMENT

LOGAN M. CROWE
ASSISTANT IN CHEMISTRY DEPARTMENT

MARY DAUGHERTY
ASSISTANT IN PHYSICS DEPARTMENT

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. A unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

English	3	
Foreign Language	4,	two of which must be in one language.
Mathematics	2	
History	1	
Science	1	

Elective	2, taken from above subjects.
Elective	2, taken from above subjects, or any subjects which are accepted for graduation in an accredited preparatory or High School in the State from which student comes. The following subjects are excepted:
	Domestic Science
	Manual Training
	— Stenography
Total.....	15 Bookkeeping

Note I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

Note II. If all four units of foreign language presented are Latin, fourteen (14) hours of one modern language will be required in college.

Note III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 15) usually taken in the Freshman year.

Bible—8 semester hours.

History—6 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 22), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

Group 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, German or Romance Languages	6 hours

Group 2

Latin and Greek	18 hours
Romance Languages or German.....	12 hours
English, History, Philosophy, Education, Latin, Greek, German or Romance Languages.....	6 hours

Group 3

Romance Languages or German.....	18 hours
German, or Romance Languages.....	12 hours
Latin, Greek, English, History, Philosophy or Education..	6 hours

(Note: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group.)

Group 4

Philosophy and Education.....	18 hours
English, or History and Economics.....	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

Group 5

English	18 hours
Latin, Greek, German or Romance Languages.....	12 hours
Philosophy, Education, History or Economics.....	6 hours

Group 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

Group 7

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education.....	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) FOR THE DEGREE OF BACHELOR OF SCIENCE**Group 1**

Chemistry	18 hours
Biology, or Physics and Geology.....	12 hours
Biology, Mathematics or Physics.....	6 hours

Group 2

Mathematics	18 hours
Biology or Chemistry	12 hours
Biology, Chemistry or Physics.....	6 hours

Group 3

Biology	18 hours
Chemistry, or Chemistry and Physics.....	12 hours
Physics or Geology.....	6 hours

Note: Fourteen hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATIONS, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates for admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the first month of the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty. Entrance conditions will be subject to special arrangements.

V. Grading System.—The standing of a student in his work is indicated by the class in the following scale to which he is assigned:

Class A.—Equivalent to 100 to 95 per cent., or very good.

Class B.—Equivalent to 95 to 90 per cent., or good.

Class C.—Equivalent to 90 to 80 per cent., or fair.

Class D.—Equivalent to 80 to 65 per cent., or passing.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a receipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced.

VIII. Registration Committee.—Each student is required to meet the Registration Committee at the beginning of each se-

mester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

President R. H. Martin,
Dr. George Kennedy
Miss Gyla MacDowell,
Dr. H. H. Wylie,
Professor Leroy Patton,
Dr. Robert C. Colwell.

IX. **Limitation of Courses.**—No student shall be allowed to carry more than seventeen semester hours without consent of the Faculty.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

FEES

(1) Tuition per semester.....	\$37.50
(For sons and daughters of clergymen, one half the regular rate.)	
(2) Contingent fee, per semester.....	9.00
(3) Chemistry laboratory fee, per semester.....	3.75
(4) Biology laboratory fee, per semester, from.....	2.50 to \$5.00
(5) Examination other than regular.....	1.00
(6) Graduation fee in all departments.....	5.00
(7) Athletic fee	5.00
(8) Incidental fee	1.00

SCHOLARSHIPS

Two kinds of scholarships are offered.

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated High Schools in Western Pennsylvania. These scholarships pay all tuition for four years.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each year to deserving students. The value of these scholarships is \$50.00 each, the interest on \$1000.00 for one year. Application blanks may be obtained from the Registrar, Geneva College, Beaver Falls, Pa.

COURSES OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is, however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required.

Three hours a week, first semester.

DEPARTMENT OF BIBLE

It is the aim in the courses in the Bible to familiarize the student with the English Bible and to bring him into intelligent and vital connection with the Word itself. The Bible itself is used as the text book. The courses offered require thorough work and give as high disciplinary results as other studies. Eight credit hours required for graduation.

15. **Old Testament Perspective.**—An outline course designed to give the student a clear grasp of the greater events, characters and movements of the Old Testament Scriptures. Two hours a week, first semester, required.

16. **Old Testament Prophets.**—This course deals with the great prophets of the Old Testament and their messages. Its purpose is to give the student an understanding of the character of the prophet, of the social, political, moral and religious condition of the times which called forth the message; and of the message itself, in its application to his own and our times. Two hours a week, first semester, required.

17. **The Life of Christ.**—The aim of this course is to use the Gospels so as to give the student an understanding and appreciation of the important events and facts of Christ's life, of His Person, character and ideals, of the new truths he reveals and of His mission to the world. Groscup's Historical Chart of the Life and Ministry of Christ with an Outline Harmony of the Gospels, is used in the study of this course. Two hours per week, second semester, required.

18. **A Study of the Book of The Acts.**—Attention will be given to the leading characters of the book; to the rise and growth of the Christian Church and to its development from a

Jewish Church into the Church Universal; to Paul's missionary journeys and to the development of the Kingdom of God. Two hours per week, second semester, required.

19. A Study of the Kingdom of God.—This is the one all-inclusive theme of the Bible. It is the goal of human history. To establish the Kingdom of God was the mission of Christ to the world. The advancement of the Kingdom is the mission of the church and the object of the christian's life endeavor. A true understanding of the Kingdom is one of the greatest needs of the time. A rediscovery of the Kingdom would give christianity a new meaning; it would lead to the discovery and proclamation of the gospel for society—for men in their industrial, social, political, national and international relationships; it would result in an endeavor not only to save individuals and fit them for heaven, but also to christianize society and build up a world order in which the will of God shall be done as it is now done in heaven. Biblical references, lectures, thesis. One hour course. Second semester. Elective.

DEPARTMENT OF BIOLOGY

The work in this department includes a study of living organisms, both plant and animal. The courses are so arranged that work exclusively in either Botany or Zoology can be taken. The aim in all the work is to give the student a comprehensive knowledge of the facts upon which the study of living organisms as a science, is founded. First hand observation and study of plants and animals in the laboratory and in the field is considered equally as important as text book and lecture work. The laboratory is equipped with the latest type of compound microscopes for students' use, dissecting microscopes, sliding and rotary microtomes, praffin bath, incubator, aquarium, germinators, and other equipment necessary for high grade work in both Botany and Zoology. A projection lantern with complete sets of slides is used frequently in connection with the laboratory work. A special effort is made to impress students in this department with the value of strictly scientific methods so that these courses may serve as a basis for those who wish to do research work in Biology.

22. Introduction to Botany.—General introduction to the study of Botany including first a study of the root, stem, leaf and seed of flowering plants. Types of all the great groups of plants are then taken up for special study in the laboratory and in the field. Special stress is laid on the use of the compound microscope and the making of accurate drawings. This course is intended primarily for those who are beginning the study of Botany and is offered along with Course 23 for those who desire one year of general Biology. Text—"The Nature and Development of Plants," Curtis. Laboratory Fee, \$2.50. Lectures and Recitations, 2 hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered first semester.

23. Introduction to Zoology.—An attempt is made in this course to give the student a thorough working knowledge of the basic principles and concepts of Zoology. The laboratory work includes observations and dissections upon: (1) unicellular types (Amoeba, Paramoecium); (2) simple multicellular types (Hydra, Planaria); (3) higher invertebrate types (earth-worm, crawfish, honey bee); (4) a vertebrate type (frog). Emphasis is placed on accurate drawings and notes. Texts—"Introduction to Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory fee, \$2.50. Lectures and recitations, two hours per week; Laboratory, 2 hours per week. Credit, 3 hours. Offered second semester.

24. Botany, Morphology of Thallophytes and Bryophytes.—This course followed by Course 25 is intended to give the student a thorough knowledge of the structure of all of the most important types of plants. While this is primarily a study of structure and form, the work takes in problems of ecology and physiology. Special problems considered are (1) the origin and evolution of sex, (2) the origin of stationary plants, (3) parasitism, saprophytism, symbiosis, (4) the origin of distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and the one which follows it. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisite, Course 22 or its equivalent. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

25. Botany, Morphology of Pteridophytes and Spermatophytes.—The work in this course begins with the study of the ferns, then takes up the transition from the flowerless to the flowering plants, and continues with a detailed study of the

form, structure, distribution and adaptation to environment of the great groups of Angiosperms and Gymnosperms. Special problems considered in this course are (1) advance of the sporophyte and reduction of the gametophyte, (2) appearance of heterospory, (3) spermatogenesis, (4) oogenesis, (5) embryology, (6) Engler's scheme of classification. Local flora will receive special attention. Text—"Textbook of Botany," Couter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisites, Courses 22 and 23 or their equivalents. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered second semester.

26. Invertebrate Zoology.—A detailed study of type forms. Each student dissects about 20 types of invertebrates, making drawings and preserving notes. Emphasis is laid on the comparative study of forms of all the invertebrate phyla from the simplest unicellular types to the most complex invertebrates. This course along with Course 27 which follows it, is arranged for those who will enter medical school and fulfills the conditions of the leading medical schools of this country. Texts—"College Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory Fee, \$3.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

27. Vertebrate Zoology.—This course includes detailed dissections and drawings of such types of vertebrates as dogfish, perch, frog, turtle, lizard, pigeon and cat. Special attention is given to the work on the cat as an example of mammalian anatomy. Texts—"College Zoology," Hegner, and "Vertebrate Zoology," Pratt. Laboratory Fee, \$3.00. Lectures and recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Prerequisite, Course 26 or its equivalent. Offered second semester.

28. Methods in Plant Histology.—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text—"Methods in Plant Histology," Chamberlain. Laboratory Fee, \$5.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

29. Bacteriological Methods.—A general introduction to methods used in bacteriological work. The work in the labora-

tory includes (1) preparation of culture media, (2) principles of sterilization, (3) methods of staining bacteria, (4) description of pathogenic and non-pathogenic types of bacteria. This course is intended primarily for those who will study medicine. Texts—"Bacteriology," McFarland, and "Laboratory Manual of Bacteriology," Heinemann. Laboratory Fee, \$2.50. Prerequisites, Course 22 or its equivalent and a beginning course in Chemistry. Lecture, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered second semester.

DEPARTMENT OF CHEMISTRY

The object of the work of this department is to cultivate the scientific spirit and habit, to furnish training in modern methods of pure and applied science, to provide suitable preliminary training for graduate work or preparation for medical schools and to afford training for those who wish to teach chemistry in high schools or who wish to enter technical work.

The department is supplied with all equipment and apparatus necessary for the proper conduct of the work. An additional laboratory has been provided during the past year. This laboratory has the best equipment that it is possible to obtain. It is devoted mainly to the work of analytical and physical chemistry.

Students who desire a general knowledge of chemistry but who do not wish to pursue the subject further are advised to elect Chemistry 15.

Students who are contemplating graduate work in chemistry should at least elect courses 15 or 16, 17, 18, 19, 20. These courses constitute the minimum prerequisites for graduate work in most universities.

Those who expect to teach chemistry in high schools should elect courses 15 or 16, 17, 18, 19, 23.

Students preparing for medical schools should take courses 15 or 16, 17, 19 and 23.

For preparation for technical work the courses in analytical chemistry will be the most advantageous but

the study of chemistry should be made as extensive as possible.

15. General Inorganic Chemistry.—This course includes a study of the non-metallic and metallic elements and their chief compounds. Especial attention is given in the lectures and the laboratory to modern chemical theories. The work is largely taken up from the standpoint of physical chemistry. An effort is made to correlate the work of the lecture room and laboratory with the great chemical industries. For this purpose visits are made to a number of manufacturing plants where chemical operations are seen on a large scale. Beaver Valley is exceptionally well provided with chemical industries. Texts: Smith, "General Chemistry for Colleges;" Smith and Hale, "A Laboratory Outline of General Chemistry." Fee, \$3.75 per semester. Prerequisites, Elementary Physics is a desirable prerequisite. First and second semester. One lecture and two laboratory periods a week. Three credit hours.

16. Advanced General Inorganic Chemistry.—This course is similar to 17 with the exception that work ordinarily done in high school chemistry is omitted from the course. Especial attention is paid in the lectures to the fundamental principles of ionization, equilibrium in solution and other important theoretical problems. Texts: Smith, "General Chemistry for Colleges;" Smith and Hale, "A Laboratory Manual of General Inorganic Chemistry." Fee, \$3.75 per semester. Prerequisites, High School chemistry. First semester. One lecture and two laboratory periods a week. Three credit hours.

17. Qualitative Analysis.—First Course. The laboratory work in this course consists of a study of the analytical reactions of the common metal and acid ions and the separation and analysis of the various groups of these ions. The lectures deal with the chemistry of the analytical reactions and especially with the fundamental principles which are most widely used in analytical work. Text: Stieglitz, "A Laboratory Manual of Qualitative Analysis." Fee, \$3.75 per semester. Prerequisites, Chemistry 15 or 16. Second semester. One lecture and two laboratory periods per week. Three credit hours.

Laboratory work may be taken without the lectures either semester. Two credit hours.

16. Qualitative Analysis.—Second course. This is a continuation of Course 17. It consists of laboratory work in systematic analysis. The student begins with analysis of simple salts

and gradually works up to the analysis of complicated mixtures. Text: Stieglitz, "The Elements of Qualitative Chemical Analysis," Vol. II. Fee, \$3.75 per semester. Prerequisite, Chemistry 17. Either semester. Three laboratory periods a week. Three credit hours.

20. Elementary Quantitative Analysis.—The fundamental principles of quantitative analysis. Both gravimetric and volumetric methods are included. The gravimetric work consists of the quantitative analysis of simple salts or alloys. The volumetric work includes methods of calibration, making of standard solutions, etc. Emphasis is placed on accurate work. Text: Talbot, "Quantitative Analysis." Fee, \$3.75 per semester. Prerequisites, Chemistry 15 or 16. Chemistry 17 is a desirable prerequisite. Either semester. Three laboratory periods per week. Three credit hours.

21. Advanced Quantitative Analysis.—Continuation of Chemistry 20. Analysis of minerals and more difficult salts. Fee, \$3.75 per semester. Prerequisite, Chemistry 20. Either semester. Three laboratory periods a week. Three credit hours.

22. Advanced Qualitative Analysis.—(Not offered in 1917-18.)—Analysis of commercial products, difficult salts and insoluble substances. Text: Stieglitz, "The Elements of Qualitative Analysis," Vol. II. Fee, \$3.75 per semester. Prerequisite, Chemistry 18. Either semester. Three laboratory periods a week. Three credit hours.

23. Physical Chemistry.—A systematic study of the great principles of theoretical chemistry. In the lectures the important theoretical principles of gases, liquids, solutions, solids, thermochemistry, electro chemistry are taken up and their relationship and importance studied. The laboratory work consists of such experiments as vapor density determinations, determination of molecular weights by the freezing point and boiling point methods, determinations of the coefficient of viscosity, of surface tension, spectroscopy, transition temperatures, potential measurements, conductivity, etc. Text: Getman, "Outlines of Theoretical Chemistry." Prerequisites, Chemistry 15 or 16. College Physics is a desirable prerequisite. Fee, \$3.75 per semester. First and second semester. One lecture and two laboratory periods a week.

19. Organic Chemistry.—Chemistry of the carbon compounds. Preparation and properties of the more important carbon compounds of both the aliphatic and aromatic series and the

theoretical questions involved. Texts: Norris, "The Principles of Organic Chemistry;" Norris, "A Laboratory Manual of Organic Chemistry." Fee, \$3.75 per semester. First and second semester. One lecture and two laboratory periods a week. Three credit hours.

DEPARTMENT OF ECONOMICS

15. **Economics.**—In the first semester the principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. Search will be made for that unity of law which is presupposed in every science.

In the second semester application of economic principles is made to the current problems of labor, immigration, transportation, and monopoly. Several programs such as Government Control, "Profit Sharing," Trade and Labor Unionism, Single Tax, and Socialism will be considered. Special attention will be paid to money and banking. Arguments, pro and con, will be examined and special study will be made of the many current proposals for social betterment.

Taussig's "Principles of Economics" and Seager's "Principles of Economics" were the texts used this year.

First and second semesters, three hours a week, Junior year.

Open only to Juniors and Seniors.

DEPARTMENT OF EDUCATION

15. **History of Education.**—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticise our own ideals and methods in the light of these. Text: Monroe's History of Education. This course is open to Juniors and Seniors. Advised Prerequisite, Psychology 15 and 16. First semester, 3 hours.

16. **Principles of Secondary Education.**—The scope of secondary education; the underlying factors which should determine character; the organization of secondary education; and the subject matter which should be taught. Text: Monroe's Principles of Secondary Education. This course is open to Juniors and Seniors. Prerequisite, Education 15. Second semester, 3 hours.

DEPARTMENT OF ENGLISH

24. Rhetoric and Composition.—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Texts: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pilkin: Short Story Writing; Esenwein: Studying the Short Story. Prerequisite: see College Entrance Requirement. Time, four hours per week during entire year.

25. Old and Middle English.—History of Old and Middle English studied. Reading of Beowulf, Old English Prose and Poetry; Malory's Mort-d'-Arthur—Tennyson's Idyll's of the King; Chaucer's Canterbury Tales; Spenser's Fairie Queen and Bacon's Essays. Fortnightly themes. Texts: Beowulf: Child's translation Old English Prose and Poetry; Cook and Tinker: Chief Middle Poets; Jessie Weston: Canterbury Tales, MacMillan Edition; Fairie Queen, MacMillan Edition; Bacon's Essays. Prerequisite, English 24. Time, 3 hours per week, first semester.

26. Shakespeare.—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's Complete works; Banly: "Pre-Shakespearean Drama; Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester.

27 (a). Milton.—Study of Paradise Lost, Paradise Regained, Samson Agonistes, the minor poems and selections from Milton's Prose. Text: Milton's Poems (Student's Cambridge Edition); Selections from Milton's Prose: Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, one hour per week, first semester.

28. Dante.—Study of Dante's Inferno, Purgatorio and Paradiso. Texts: Gardner: Dante Primer; Dante's Divine Comedy: Gollancz (in Temple Classics). Prerequisite, English 24. Time, one hour per week, first semester.

29. Literary Criticism.—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: Principles of Literary Criticism: Winchester. Prerequisite, English 24. Time, one hour per week, first semester.

30 (a). **Classicism and Romanticism.**—Lectures and recitations tracing the movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: The beginning of the Romantic movement in the 18th century: Phelps. Prerequisite English 24. Time, one hour per week during second semester.

31 (b). **Tennyson and Browning.**—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Student's Cambridge Edition); Phelps: Browning, How to Know Him. Prerequisite, English 24. Time, one hour per week during second semester.

32 (c). **American Poets.**—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: Representative American Poets: Curtis Hidden Page. Prerequisite, English 24. Time, one hour per week during second semester.

33. **Modern Drama.**—Lectures and Readings—Ibsen, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Galsworthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. 18. Time, three hours per week, first semester.

34 (a). **British Poets of the 19th and 20th Centuries.**—A study of the lives and works of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swineburn, Rosetti, Kipling and the new poets of today. Prerequisite English 24. Texts: British Poets of the 19th Century: Curtis H. Page. Time, two hours per week, second semester.

34 (b). **English Essayists of 19th Century and Essayists of Today.**—Advanced study of five or six essayists, noting biographical, historical, philosophical qualities—the relation of such literature to the forces of social life. The work will be based on typical essays of Lamb, DeQuincey, Macaulay, Carlyle, Ruskin, Newman, etc. Text: Winchester: "A Book of English Essayists." Prerequisites, English 24, 27, 28. Time, one hour per week during the second semester.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. Physiography.—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, three hours a week.

16. Historical Geology.—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the work. Geology 15 is a desirable prerequisite. Second semester, three hours a week.

17. Field Geology.—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GERMAN

It is the purpose in the first two years of this department to establish a thorough foundation and working knowledge for an appreciative study of the German masterpieces in the advanced courses. Accurate pronunciation is insisted upon and a thorough drill in declensions, conjugations, and grammatical principles is carried on throughout the course. Great stress is laid upon rendering idiomatic translations into pure English. German conversation is a very important part of this course, and after the first-year students have acquired a knowledge

of the forms, the classes are conducted in the German language. Frequent practice is given in German composition work including sentences, short essays, descriptions and stories.

15. Elementary German.—Joynes-Wasselhoeft's German Grammar; such easy texts as Immensee, Germelshausen and Das Peterle von Nürnberg. The aim of this course is to enable the student to pronounce German correctly, to read and translate German of ordinary difficulty, and to acquire a considerable degree of proficiency in conversing and writing in German. Conversation and prose composition based upon the texts used in class, form a part of this course. German poems are memorized. Throughout the year, four hours.

16. Intermediate German.—Pope's Writing and Speaking German including conversation and composition, one hour a week throughout the year. First semester, Stern's Aus Deutschen Meisterwerken, consisting of stories based upon the epic-saga literature of the Middle Ages: Gudrun, the Nibelungenlied, Parzival and Tristan und Isolde. The course is entirely in German and consists in conversation based upon the text, synonyms and definitions of words in German. Second semester, Schiller's Wilhelm Tell and Goethe's Hermann und Dorothea. In connection with the study of the classics in this and in the advanced courses the following points are considered: life and importance of the author, historical background, plot, structure, character development and literary qualities.

Open to those who have completed Course 15 or have presented two units of credit from High School.

Throughout the year, three hours.

17-18. Advanced German.—A thorough study of German Literature from the beginning down to and including Goethe. First semester, an exhaustive study of Lessing, his life and his works and his place in literature. Read critically in class Minna von Barnhelm and Nathan der Weise, laying special emphasis upon the author's religious philosophy in the latter. Second semester, study of the life and rank of Goethe as a German author. Read in class his Iphigenie, Sesenheim, and study and interpret his Faust. German themes.

Open to those who have completed Courses 15 and 16 or their equivalent.

Given in 1918-1919.

Throughout the year, three hours.

19-20. Advanced German.—German Literature from Goethe to the present time. First semester, a thorough study of Schiller and some of his masterpieces: *Die Junfrau von Orleans*, *Maria Stuart*, *Wallensteins Tod*, *Das Lied von der Glocke*. Second semester, the reading of modern drama and fiction. Collateral reading and reviews of German novels read outside of class.

Open to those who have completed Courses 15 and 16 or their equivalent.

Given in 1917-1918.

Throughout the year, three hours.

DEPARTMENT OF GREEK

The course in Greek covers three years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul if acquired in a fair measure will make it easier for a capable student to find his way through the great books and ideas and art productions of the world.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation.

15. Beginner's Course.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman Year, 4 hours.

16. Xenophon and Herodotus.—Parts of one or both authors with special attention to the structure of the Greek language and differences between the Attic and Ionic dialects. Readings from *Histories of Greece* in English.

First semester of Sophomore Year, 3 hours.

17. Homer.—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer.

Second Semester of Sophomore Year, 3 hours.

18. **Plato.**—Apology, Cristo, Phaedo, Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught after ages the meaning of "reasoned truth."

First semester of Junior Year, 3 hours.

19. **Greek Drama.**—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Second semester of Junior Year, 3 hours.

21. **New Testament Greek and Greek Literature.**—Selections from Gospels and Epistles. Hellenistic Greek. Connected view through lectures and readings or text-book of the whole course of Greek literature.

First semester, Senior Year, 3 hours.

22. **Greek Archaeology.**—The contributions the Greeks have made, apart from their writings, to civilization. Their art, science, philosophy and politics in their enduring effect in modern life.

Second Term, Senior Year, 3 hours.

DEPARTMENT OF HISTORY

22. **English History.**—The purpose of this course is to give the student a comprehensive view of English history, to make him acquainted with the life and institutions of the English people, to enable him to trace the unity and continuity of America's civilization with that of the mother country, and to furnish him a view in true perspective of the place that England has occupied in the political, social, industrial, and intellectual progress of the world. Special attention is given to the social and industrial development of Great Britain, particularly in the twentieth century. Careful study is made of the growth of the British constitution.

Cross' "A History of England and Greater Britain" and Ticknor's "Social and Industrial History of England" were the text books used this year.

First semester, three hours a week (Freshman Year).

23. **American History.**—The preceding course in English History prepares the student for an intelligent study of the history of his own land. In this course, while the chief events will be brought clearly into view, special emphasis will be laid on

principles and movements, and the student will be led to view his own country in its relation with that of other nations. Special search is made for the unique characteristics of American social and political life.

The text books used are "The Formation of the Union" by Albert Bushnell Hart and "Division and Reunion" by Woodrow Wilson.

Second semester, three hours a week, (Freshman Year).

24. History of Revolutionary Europe.—This course deals particularly with the history of Europe from 1789 to 1815 but careful study will be made of the important periods leading up to the French Revolution. The intention is not so much to follow the military events of which those years were so full as to realize the transition from the old to the new that was then going on, and to gather up and impress the permanent results of the Revolution.

First semester, three hours a week, (Sophomore Year).

25. Modern Europe.—Beginning with 1815, where the preceding course breaks off, this course continues the study of European history down to the year 1914. The "concert of Europe," the "Balance of Power," and the "Confederation of Europe," are some of the features of this period which will be made prominent. Colonial expansion, the acquisition of territories, and the growing complexities of international relations will be traced throughout the course of the century. Special study will be made of developments leading to the Great War.

The text book used this year is Hazen's "Europe Since 1815."

Second semester, three hours a week, (Sophomore Year).

26. Mediaeval History.—This course deals with the most important features of the Middle Age, the temporal and spiritual power of the Papacy, the persistence of the imperial idea, the growth of a community of nations, and the currents of thought that characterize the period.

Elective, first semester, two hours a week.

27. American History, Geographically Studied.—The purpose of this course is to study American history from a geographic standpoint to discover the influence of natural conditions upon our national life.

The text used is "American History and Its Geographic Conditions."

Elective, first semester, two hours a week.

28. **Contemporary American History.**—From the beginning of the reconstruction period to the present time. The first part of the course will be occupied primarily with a study of the reconstruction period from 1865 to 1877. The second part of the course will be given to study of the social and industrial development of our country from 1877 to the present day.

The text books used are Dunning's "Reconstruction—Political and Economic" and Paxton's "The New Nation."

Elective, three hours a week, second semester.

29. **A Study of the World War.**—The essential causes, historic antecedents, and probable results of the world war.

Elective, second semester, 2 hours a week.

DEPARTMENT OF HISTORY OF ART

15. This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: History of Architecture; Marquand: History of Sculpture; Van Dyke: History of Painting.

Time, two hours per week throughout the year.

DEPARTMENT OF LATIN

Four semester courses are offered in Latin and the aim in all is preparation for life, in the broadest sense. The editor of the New York Sun said recently that his best proof of the value of classical study was forty years in a newspaper office. Information, social and literary background, power of interpretation and varied expression are sought in a language that gives us nearly eighty per cent of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts.

15. **Horace.**—Odes, Satires, Epistles. Horace as an exponent of the Augustan Age, as philosopher and literary critic.

First semester of Freshman Year, 3 hours.

16. **Tacitus.**—*Agricola and Germania.* The Latin of the Silver age. Light thrown on the characteristics of the ancestors of nations now at war in Europe.

Second semester of Freshman Year, 3 hours.

17. **Plautus.**—*Trinummus or Captivi.* Early and colloquial Latin. Intimate knowledge of the plain people of the early Republican period of Rome.

First semester of Sophomore Year, 3 hours.

18. **Seneca.**—*Medea.* Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second Semester of Sophomore Year, 3 hours.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself well qualified to teach mathematics in the elementary schools or to continue his work in higher institutions of learning.

22. **Algebra and Trigonometry with an introduction to Analytical Geometry.** ..Three hours a week, both semesters.

18. **Differential and Integral Calculus.**—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practical problems. Text book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

19. **Differential Equations.**—Equations of the first and second order of linear equations, solutions in series, partial differential equations, etc. Text book: Johnson's Differential Equations.

Three hours a week, first semester.

20. **Analytic Mechanics.**—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text book: Bowser's Analytic Mechanics.

Three hours a week, second semester.

21. **Fouriers Series and Harmonic Functions.**—Development in series, solution of certain partial differential equations. Text book: Byerly's Fouriers Series and Spherical Harmonics.

Three hours a week, second semester.

DEPARTMENT OF PHILOSOPHY

15. **The Problems of Philosophy.**—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Ethics which follow. The work in this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. Texts for 1917-1918: Paulsen's Introduction of Philosophy; James' Some Problems of Philosophy. This course will be open to Juniors and Seniors.

First semester, 3 hours.

16. **History of Philosophy.**—The aim of this course is to trace the progress of philosophic thought from the Greek period to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. Text for class use: Roger's Student History of Philosophy. Text for applied study: Weber's History of Philosophy, or Cushman's History of Philosophy. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

17. **Logic.**—The general character of the thinking process is taken up; its laws of development are studied and the way

thought actually proceeds in the solution of problems. The important methods are considered and tested as to their relative importance and logical validity. Texts: Creighton's Logic; Dewey's How We Think.

First semester, 2 hours.

18. **Introductory Ethics.**—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's Problems of Conduct. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take 3 periods per week for 18 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. The laboratories and lecture room are provided with a direct electric current of 110 volts, which the Armstrong Cork Company donates to the college for scientific work.

1. General Advanced Physics.—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, three hours a week, both semesters.

Laboratory Course

The work in this course comprises methods of mathematical demonstration and investigation of the principles of Physics and instruction in the use and adjustment of instruments, together with quantitative problems, the data of which are obtained by individual experiments. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Milligan and Mann's Molecular Physics and Heat, and Milligan's Sound, Heat and Electricity.

Four hours a week throughout the year.

DEPARTMENT OF POLITICAL SCIENCE

15. Political Philosophy.—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God, grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text book, lectures, theses.

Two hours a week, two semesters.

DEPARTMENT OF PSYCHOLOGY

15. Introductory Psychology.—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Pillsbury's *The Fundamentals of Psychology* will be required as text, and in addition, considerable assigned reading outside of the text. First semester, 3 hours.

16. Social Psychology.—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relation of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text. Prerequisite, Psychology 15. Second semester, 3 hours.

DEPARTMENT OF PUBLIC SPEAKING

15. Principles of Speaking.—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—the coordination of mind, voice and body. First semester, two hours, required of all Sophomores.

16. Literary Interpretations.—The application of the fundamental principles to the interpretation of selections from literature. Second semester, two hours a week required.

17. Extempore Speaking.—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, two hours a week required.

18. The Acting Drama.—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational value, the choice of plays, selecting the cast, rehearsals, stage

managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, two hours a week.

19. **Story Telling.**—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, two hours a week.

20. **Debate.**—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week.

21. **Debate.**—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week.

22. **Oration.**—The writing and delivering of orations. Training in the criticism and judging of orations. One hour a week.

23. **Oration.**—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week.

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed frequently and after the first-year students have acquired a sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15 (a). **Elementary French.**—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular

verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France* or *Ca et Là en France*. Read *La Tâche du Petit Pierre*. Throughout the year, four hours.

15 (b). **Military French.**—This course involves ordinary conversation; First Aid, Purchases, Military Conversation, Commands, Appointment, Armament, Aviation, etc. Open to men who have had no French as well as those who have studied French. One hour a week throughout the year.

16. **Advanced French.**—Continued grammar drill. Prose composition and conversation one day a week throughout the year. Study of French Literature. Read Dumas' *Le Comte de Monte Cristo* and *Les Trois Mosquetaires*. Victor Hugo's *Les Misérables* is read from a critical and literary standpoint and the character development of Jean Valjean is studied from a psychological standpoint. Hugo's *Hernani* or Corneille's *Cid* is studied as a type of the French drama. Outside reading and book reviews from such authors as Corneille, Racine and Molière. Throughout the year, three hours.

17. **Elementary Spanish.**—Espinosa and Allen's *Spanish Grammar*. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Read Turrell's *Spanish Reader*. Throughout the year, 4 hours.

WAR COURSES INTRODUCED

1. **Food Conservation.**—A general survey of the food situation in the world, particularly the responsibility of the United States to supply the allies. The necessity of increased production and conservation and regulation. Lectures by Prof. R. C. Colwell, second semester, one hour credit.

2. **Physiography and the War.**—A study of the physiographic features of the different theaters of war, in order to show that physiography is an important factor in determining the conduct of war. Lectures by Prof. Leroy Patton, second semester, one credit hour.

3. **Physiology.**—Hygiene, history of foods, balanced rations, first aid. Prof. W. W. Marshall, second semester, three credit hours.

4. **Christian Internationalism.**—The application by the nations of christian principles and ideals to international relationships. An explanation of what these principles and ideals are and of the changes which their acceptance by nations would bring about.

5. **A Study of the World War.**—See History 29.

EXTENSION DIVISION

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

HARRY H. WYLIE, PH. D.

Director

A. B., Muskingum College; A. M., Harvard University;

Ph. D., University of Chicago

PSYCHOLOGY

GYLA MacDOWELL, A. M.

A. B. Grove City College; A. M., Columbia University

J. BRAD CRAIG, A. B.

A. B., Geneva College; A. B., University of Chicago

MATHEMATICS

A. A. JOHNSTON, A. M., B. D.

A. B., Geneva College; A. M., Princeton University, B. D.,

Princeton Seminary; University of Edinburgh

ECONOMICS

MRS. HARRY H. WYLIE, A. B.

A. B., Geneva College; University of Chicago

ROMANCE LANGUAGES

CLARA E. ROSENGARTEN, A. B.

University of Denver; Columbia University

GERMAN AND SPANISH

LELIA CAMPBELL, A. B.

A. B., Geneva; Johns Hopkins

ENGLISH

Organization. Extension work in the School of Liberal Arts was organized in the Fall of 1916. The same courses are offered as in the regularly organized classes in this School. These courses, when completed satisfactorily, give the same number of credit hours as when taken in the regular classes. During the year 1916-1917 extension classes were conducted in Introductory Psy-

chology, Social Psychology, History of Education, Principles of Secondary Education, German, French, Spanish, Economics, English, Mathematics, and Physics. The courses conducted during 1918-1919 will be determined by the demand. Persons thinking of enrolling in the extension classes should enroll promptly at or before the opening of the First Semester.

Entrance Requirements. The entrance requirements are the same as for the regular School of Liberal Arts. If the person entering desires to become a candidate for a degree, fifteen units of preparatory work are required. If the person entering wishes to do special work not looking toward a degree, only such units of preparatory work will be required as are necessary to prepare him for taking up the work in the particular subjects which he desires.

Tuition Charges. The tuition charges for work in extension courses will be three dollars (\$3.00) per semester hour of credit. Thus, any course giving three (3) semester hours will cost nine dollars (\$9.00). Payment of tuition in these courses must be strictly in advance and no refund will be allowed for withdrawal after enrollment has been made.

SUMMER SESSION

The Summer of 1917 was the second year the college has offered an opportunity to take college work during the summer. The work has been successful in every way. This work receives college credit and can be offered as part fulfilment of the requirements for a B. S. or an A. B. degree. It is particularly suited to those who teach during the winter and wish to do some college work during the summer; to high school graduates who wish to begin at once their college course and thus shorten the time necessary to complete it; and to college students

who want to make up required work or want to make it possible to graduate in three years.

The summer work, taken in connection with the extension work offered during the regular year in the evenings and on Saturdays, makes it possible even for those not regularly enrolled in college to carry forward continuously throughout the year college work leading to a degree. In this way it becomes possible to secure a college education without losing time from regular employment and a fine opportunity is furnished to those who could not otherwise secure a college education.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French and German is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

FRANCES E. WADDEL, A. M.

Director

Philip, Paris; Barth, Berlin

PIANO, THEORY, HARMONY, AND HISTORY

ELIZABETH D. JOHNSTON, B. S.

B. S., Geneva College

PIANO

EDWARD F. KURTZ

(Formerly of The Pittsburgh Orchestra)

VIOLIN, VIOLA, 'CELLO

ERNEST LUNT

(Director of Pittsburgh Mendelssohn Chorus)

VOICE

OLIVE G. ELLIOTT

VIOLIN

CLARA E. ROSENGARTEN, A. B.

University of Denver; Columbia University

GERMAN AND SPANISH

PIANO

This department is under the direction of Miss Frances E. Waddle, who has had the advantage of study under the best teachers in Europe and America, among whom being Mr. William Sherwood, of Chicago, and Mr. Carl Faelton, director of the New England Conservatory of Music, of Boston, also studying several years under the distinguished teacher, Heinrich Barth, court-pianist to Emperor William of Germany. The year 1911 she spent in study in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddel's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Bessie Johnston, a graduate of Geneva College, class of 1901 (Scientific Course). She was a pupil of Miss Waddel, taking her degree in music in the Mercer Academy and School of Music. Miss Johnston has had six years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSE OF STUDY

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. **Introductory Course.**—This course is open to those who wish to study music, but do not desire to graduate. No previous

knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. Diploma Course.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, etudes op. 10 and op. 25, Chopin, Kessler, Liszt, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Rules and Regulations.—Bills are payable one-half at the beginning of the term, balance in the middle of term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronouncing him to be the greatest Choral Conductor he had met in this travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading Church singers and teachers of Pittsburgh and district being represented as artist pupils and coaching in Concert, Church and Oratoris repertoire. He will teach at Geneva College on Tuesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel Part 1. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel Part 1 and 2. Tone modulation and color, flexibility, staccato, expression and phrasing.

Songs, Cycles and Oratorio Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of ten weeks:

One lesson weekly.....\$20.00

Two lessons weekly.....\$40.00

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

During the year 1917-1918, Mr. Lunt will have as assistant Mr. Earl Yearsley of Pittsburgh. His rates will be announced later.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

First Grade: Hohmann method. Studies by Hoffman, Wohlfahrt, Sevcik, etc.

Second Grade: Sevcik continued. Position studies by De Beriot, Schoen, etc. Scales by David.

Third Grade: Sevcik op. 1 continued. Op. 8-9 commenced. Etudes by Kayser, Dont, Mazas, etc. Pupil's concertos and sonatinas.

Fourth Grade: Etudes by Kreutzer, Fiorillo, etc., also concertos by Viotti, Kreutzer, etc., and Sonatas by Mozart, Beethoven, Schubert, etc.

Solo work is given throughout the course and opportunities for ensemble work are offered to the advanced.

POST-GRADUATE COURSE

For those wishing to engage in professional work a post-graduate course is offered.

First Grade: Etudes by Rode. Scales by Sauret. Studies by Dont, Mazas. Concertos by David, Spohr, etc.

Second Grade: Sevcik, op. 1, 2, 8, 9 reviewed. Scales in double stops by Sauret. Studies by Garvinies Sauret. Concertos by Mendelssohn, Vieuxtemps, Wieniawski, etc.

Third Grade: Etudes and Caprices by Paganini. Solo Sonatas by Bach. Concertos by Brush, Beethoven, Tschaikowsky, Elgar, etc.

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

M. CAROTHERS McCONAGHA, B. E.

Director

B. E., National School of Oratory; University of Chicago;
University of Michigan

PUBLIC SPEAKING

LELIA CAMPBELL, A. B.

A. B., Geneva; Johns Hopkins

ENGLISH

HARRY H. WYLIE, PH. D.

A. B., Muskingum College; A. M., Harvard University;

Ph. D., University of Chicago

DEBATING AND ORATORY

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 24 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

One lesson per week.....	\$22.00
Two lessons per week.....	\$40.00
Three lessons per week.....	\$60.00
Lessons less than sixteen in number, \$1.50 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation

of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving "impressions * * * correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. **Extempore Speaking.**—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. **Dramatic Expression.**

a. Scene work—original cuttings (ten-fifteen minute length) One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. **Story Telling.**—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. **Literary Interpretation.**

a. Shakespeare—two comedies, two tragedies, two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four lyrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. The Bible—Text: "Vocal and Literary Interpretation of the Bible," Curry.

6. **Excerpt Making.**—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than 3a Drama Expression).

Arranging for full evening recital (about one and one-half hours) a drama or novel.

7. **Recitals.**—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. **Teaching Problems.**—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

NORMAL SCHOOL

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

HARRY H. WYLIE, PH. D.

Director

Professor of Education, Geneva College

MRS. HARRY H. WYLIE, A. B.

DAVID C. LOCKE, A. B.

Superintendent of Beaver County Schools

FLOYD ATWELL, A. B.

Superintendent of New Brighton Schools

J. BRAD CRAIG, A. B.

Superintendent of Beaver Schools

WILLIAM S. TAFT, A. B.

Superintendent of Rochester Schools

FRANK A. BARKLEY, A. B.

Superintendent of Freedom Schools

WILLIAM DAVIDSON

Assistant Superintendent of Beaver County Schools

EDWIN R. CARSON, A. B.

McKeesport High School

JOHN M. JAMISON, B. S.

A. M. DUNGAN

ADA JACKSON

Freedom High School

ADDA M. ELLIOTT

Beaver Falls High School

EARL DAVIS

MARGARET WILSON, A. B.

A. D. DUNGAN

Principal of Vanport Schools

CORA M. FORD

Teacher of Music and Drawing, Beaver Schools

WORK OFFERED

The Summer School of Geneva College was not originally under the direct control of the College, but in recent years has been made an integral part of the regular college organization. The purpose of the Normal School is to afford opportunity for instruction and educational advancement to those desiring certificates to teach. The courses are planned particularly to suit the needs of Pennsylvania teachers. All the branches necessary to secure Provisional, Professional, and Permanent Certificates under the Pennsylvania State Law are offered. The Normal School opens the next Monday after the regular College Commencement and continues for six weeks.

For detailed information concerning the Normal School write for the Bulletin of the Summer School or address inquiries to the Director of the Summer School.

ART DEPARTMENT

This department is in charge of Miss Edwards.

The instruction pursued in this department of the college has for its object systematic training in the practice of art and in the knowledge of its scientific principles.

The elementary stages develop a knowledge of form, the laws of light and shade, color and perspective.

The time required to complete the course depends upon the talent and industry of the student. Students will be advanced as rapidly as the teacher considers advisable.

The college has purchased a new kiln for firing china, which is placed in the studio, so that anyone wishing to take instructions in firing can do so.

The department holds an annual reception and exhibition of pupils' work on the Wednesday of Commencement week.

ORDER OF STUDIES

Charcoal Drawing and Shading from Casts of Geometric Figures and Vases. Proportion—Light and Shade.

Water Color Sketching and Painting from Nature; Outdoor work. Geneva College is situated in one of the most picturesque valleys of the State, and the opportunities for outdoor sketching are almost unlimited. The studio is within five and ten minute walks to river views of wonderful natural beauty, and the surrounding country furnishes excellent subjects for painting.

China Painting, consisting of a complete course in designing, naturalistic and conventional work, lustre and gold etching. Fine firing a speciality.

All fees in this department are payable to the instructor.

Drawing, 18 lessons, \$8.00. Painting in water colors or china decorating, 75 cents in classes, covering a period of three hours. Private lessons arranged for.

DEGREES AND HONORS CONFERRED

COMMENCEMENT, JUNE 14, 1917

VALEDICTORY.....Rena W. Roney
 SALUTATORY.....Robert Somerville Stewart

HONORARY DEGREES

DOCTOR OF DIVINITY.....William Chas. Wallace (1916)
 DOCTOR OF DIVINITY.....Rutherford Hargrave
 DOCTOR OF DIVINITY.....William Melville Curry
 DOCTOR OF DIVINITY.....Charles O. Bemies

Bachelor of Arts

Eva B. Clyde	Emma May McCabe
Wycliffe W. Dodds	Walter R. McDowell
Lloyd McElhinney Edgar	Eleanor M. Platt
Elizabeth Vesta Ewing	Rena W. Roney
Gilbert G. Gallagher	Robert Somerville Stewart
Walter D. Giffen	Ernest Vincent Tweed
George Claude Graham	Elsie Gordon Walker
Harry Emmett Hogue	Boyd A. White
Melvin R. Jameson	Dorothy Olive White
Anna Lucene Jones	Ada Marie Wilson
Nannie Imbrie Kelso	Sarah Wolfe

Bachelor of Science

Edward Thomas Daugherty	Theodore P. Loeffler
Robert Irl Fullerton	Eugene Thomas Perrott

Bachelor of Oratory

Grace Marion Kent	Mary S. Patterson
-------------------	-------------------

Bachelor of Music

Loretta May Boggs	Emma Rebecca Miles
Emma May McCabe	Gertrude Violet Millin

Certificate in Music

Ione Beatrice Sparrow

COMMENCEMENT SPEAKER

PROF. ISAAC T. HEADLAND, D. D., Ph. D.

REGISTER OF STUDENTS, 1917-18

SCHOOL OF LIBERAL ARTS

SENIORS

Allen, Iva J.....	R. D. No. 2, Morning Sun, Iowa
Beatty, Ethelwyn M.....	R. D. No. 58, Sharon, Pa.
Billig, Thos. C.....	522 Thirteenth Ave., New Brighton, Pa.
Boots, Charles F.....	R. D. No. 3, Ellwood City, Pa.
Bradshaw, Mary M.....	296 Jefferson St., Rochester, Pa.
Cousins, Beulah M.....	R. D. No. 8, Mercer, Pa.
Davis, John E.	Darlington, Pa.
Elliott, Olive G.....	510 Pine St., New Castle, Pa.
Elliott, Thos. I.....	510 Pine St., New Castle, Pa.
Gardner, Bernice E.....	2606 Calvert St., Baltimore, Md.
Girvan, E. May.....	2326 Seventh Ave., Beaver Falls, Pa.
Merrilees, Clyde C.....	3113 Sixth Ave., Beaver Falls, Pa.
Moore, Jessie K.....	822 Carson Ave., La Junta, Colo.
Murphy, Murdick F.....	410 Highland Ave., Connellsville, Pa.
McBurney, M. Lois.....	W. Pike St., Canonsburg, Pa.
McCracken, M. May.....	R. D. No. 2, West Sunbury, Pa.
McCracken, C. Spurgeon.....	R. D. No. 2, West Sunbury, Pa.
Reynolds, Margaret	Utica, Ohio
Richards, Nicholas F.....	147 D Street, Johnstown, Pa.
Schumaker, E. Florence.....	R. D. No. 2, Ellwood City, Pa.
Stahlman, Charles E.....	East Brook, Pa.
Steele, Mary E.....	305 Keystone Ave., Stafford, Kans.
Stringer, Carl J.....	Hopedale, Ohio
Ward, Elizabeth J.....	Freeport, Pa.
Wilson, Glenn T.....	710 Carson Ave., La Junta, Colo.

JUNIORS

Baker, Josephine.....	158 Beaver Street, Beaver, Pa.
Cook, Isabel J.....	3215 Fifth Ave., Beaver Falls, Pa.
Cook, Mary A.....	1011 Fourth Ave., Beaver Falls, Pa.
Cornelius, Grace E.....	720 Eighteenth Ave., Beaver Falls, Pa.
Downie, Mary L.....	3127 College Ave., Beaver Falls, Pa.
Duncan, Leonard S.....	R. F. D. No. 1, New Galilee, Pa.
Edie, Lillian B.....	Mercer, Pa.
Galbraith, Eleanore S.....	620 Taylor St., New Castle, Pa.
Giffen, M. Louisa.....	R. D. No. 2, Volant, Pa.

Gilchrist, Herbert C.....	R. D. No. 1, Superior, Nebr.
Glasser, L. Edna.....	R. D. No. 3, Ellwood City, Pa.
Grossman, Mary L.....	R. D. No. 1, Slippery Rock, Pa.
Jordan, Paul M.....	R. D. No. 3, Volant, Pa.
Klingelhoef, Onita	Beaver, Pa.
Latimer, Esther M.....	R. D. No. 1, Glen Sandfield, Ont.
Martin, Donald K.....	3110 Fifth Ave., Beaver Falls, Pa.
McConagha, Mrs. Mary C.....	Beaver Falls, Pa.
Orr, Cora.....	717 San Juan Ave., La Junta, Colo.
Ransom, Brown.....	3223 Sixth Ave., Beaver Falls, Pa.
Robb, Alice.....	1129 Ninth St., Greeley, Colo.
Robinson, John.....	East Brook, Pa.
Roney, M. Edna.....	1116 Fifth Ave., Beaver Falls, Pa.
Runyan, Bessie M.....	527 Fourth St., Ellwood City, Pa.
Shaw, Lela B.....	Winchester, Kans.
Steele, Sam A.....	Crabtree, Pa.
Sterrett, Alta M.....	920 Clark St., Clay Centre, Kans.
Taggart, Marie.....	1307 Ninth Ave., Beaver Falls, Pa.
Taylor, Marjorie A.....	66 S. Euclid Ave., Bellevue, Pa.
Ward, Thos. J.....	Freeport, Pa.
Wilson, Ellamae.....	1511 Third Avenue, New Brighton, Pa.

SOPHOMORES

Alford, Gertrude.....	New Brighton, Pa.
Armstrong, Anna M.....	Morning Sun, Iowa
Armstrong, David.....	Morning Sun, Iowa
Boyd, George F. R.....	1026 Eighth Ave., Beaver Falls, Pa.
Brown, Clayton H.....	York, N. Y.
Coulter, Oakland F.....	422 Washington St., Rochester, Pa.
Crowe, Logan	Renfrew, Pa.
Davis, Earl	Beaver, Pa.
Dodds, Miriam E.....	3237 Fifth Ave., Beaver Falls, Pa.
Dougherty, Mary G.....	1707 Fourth Ave., Beaver Falls, Pa.
Dungan, Archie D.....	Aliquippa, Pa.
Finley, Willard L.....	R. D. No. 2, Sparta, Ill.
Forbes, Robert G.....	2829 Fourth Ave., Beaver Falls, Pa.
Gilmore, Harlan A.....	810 Carson Ave., La Junta, Colo.
Gilmore, Lawrence B.....	810 Carson Ave., La Junta, Colo.
Hemphill, Robt. W.....	R. D. No. 5, Olathe, Kans.
Hunter, Martha W.....	2401 Seventh Ave., Beaver Falls, Pa.
Jackson, Ada L.....	1401 Fifth Ave., Freedom, Pa.
Johnston, Harry C.....	445 E. Jackson St., Rochester, Pa.
Johnston, J. Eleanor.....	100 Monitor Ave., Ben Avon, Pa.
Kehm, Beulah B.....	1006 E. Washington St., New Castle, Pa.

Lyons, Helen I.....	1022 Clay St., Topeka, Kans.
Lytle, Ethel M.....	1021 Eighth Ave., Beaver Falls, Pa.
Maloney, Patricia.....	1024 Fifth St., Beaver, Pa.
Mellon, D. Duane.....	300 Mercer Ave., New Brighton, Pa.
Mitchell, James L.....	R. D. No. 1, Bostwick, Nebr.
Patton, Alice R.....	Morning Sun, Iowa
Reed, Willard W.....	296 Third St., Beaver, Pa.
Reuff, Reba A.....	204 Fourth St., Ellwood City, Pa.
Robb, Remo I.....	1129 Ninth St., Greeley, Colo.
Ryan, Mary A.....	917 Schoonmaker Ave., Monessen, Pa.
Schutte, William F.....	R. D. No. 4, Beaver Falls, Pa.
Shelar, Walter B.....	512 Penn Ave., New Brighton, Pa.
Sheldrake, Mary O.....	1004 Twenty-fifth St., Beaver Falls, Pa.
Skeeles, Eva B.....	R. D. No. 1, Bloomingdale, Ohio
Smith, Walter L.....	400 Twelfth St., New Brighton, Pa.
Sterrett, Aurilla R.....	920 Clarke St., Clay Center, Kans.
Stewart, David B.....	R. D. No. 1, Parnassus, Pa.
Stone, Glenda F.....	R. D. No. 4, Beaver Falls, Pa.
Swift, Sara R.....	146 W. Cheltenham Ave., Germantown, Phila., Pa.
Tomasson, Lena M.....	R. D. No. 3, Beaver Falls, Pa.
Wolverton, Jennie M.....	Espyville, Pennsylvania

FRESHMEN

Acklin, John M.....	419 Fifth Ave., Parnassus, Pa.
Andrews, Donald J.....	250 Beaver St., Beaver, Pa.
Atwell, Loyal P.....	626 11th Ave., New Brighton, Pa.
Barnes, Jean E.....	East Brook, Pa.
Barr, Marion E.....	221 Hilands Ave., Ben Avon, Pa.
Bert, Catherine E.....	1200 Fourth Ave., Beaver Falls, Pa.
Betz, Beulah M.....	500 Connecticut Ave., Rochester, Pa.
Brown, Ruth E.....	R. D. No. 2, Renfrew, Pa.
Buchholz, Frank R.....	300 11th St., Beaver Falls, Pa.
Cole, Charles.....	899 Corporation St., Beaver, Pa.
Connor, Willard G.....	R. D. No. 4, McDonald, Pa.
Craig, Thos. E.....	Allegheny Ave., Aliquippa, Pa.
Crookshank, Edith.....	1409 Fifth Street, New Brighton, Pa.
Cummings, Everett.....	Morning Sun, Iowa
Curry, R. Eugene.....	Dunzvant, Kans.
Curry, Foy A.....	Winchester, Kans.
Dodds, G. Annetta.....	819 Gertrude St., Beaver Falls, Pa.
Dodds, Mary E.....	455 Insurance St., Beaver, Pa.
Dunlop, James H.....	Apache, Okla.
Engle, Margaret.....	R. D. No. 1, Beaver, Pa.
Ferrante, Anthony.....	Beaver St., Wampum, Pa.

Fisher, Castella May.....	R. D. No. 2, Smith's Ferry, Pa.
French, W. Dean.....	Winchester, Kans.
French, Paul O.....	631 W. Monroe St., Washington, Iowa
Garvin, Gladys.....	2431 7th Ave., Beaver Falls, Pa.
Gilchrist, Freda E.....	536 National Ave., Superior, Nebr.
Giltner, E. Clifford.....	607 E. Third Street, Superior, Nebr.
Girvan, Agnes L.....	2326 7th Ave., Beaver Falls, Pa.
Golden, Jane	Glenfield, Pa.
Harper, John C.....	305 4th St., Ellwood City, Pa.
Harr, J. Leslie.....	2902 5th Ave., Beaver Falls, Pa.
Hensleigh, Lillian.....	R. D. No. 3, Winchester, Kans.
Hoffman, Geo. A.....	519 River Ave., Aliquippa, Pa.
Johnston, Marie Elma.....	Smith's Ferry, Pa.
Johnston, Helen	445 E. Jackson St., Rochester, Pa.
Jordan, C. Mac.....	R. D. No. 3, Volant, Pa.
Kennedy, G. Conn.....	3115 College Ave., Beaver Falls, Pa.
Kennedy, C. Mary.....	3115 College Ave., Beaver Falls, Pa.
Kerr, Lois	Beaver Falls, Pa.
King, Helen B.....	1022 7th Street, Beaver, Pa.
Kingery, William R.....	1943 Fairfax Ave., Cincinnati, Ohio
Klingelhofer, Harvey J.....	Beaver, Pa.
Krapf, Leah R.....	Bridge Street, Parnassus, Pa.
Lutz, James E.....	2414 7th Ave., Beaver Falls, Pa.
Martin, E. Hathaway.....	3110 5th Ave., Beaver Falls, Pa.
May, Helen F.....	R. D. No. 4, Newburgh, N. Y.
Merrilees, Wm. F.....	905 Rush Ave., Bellefontaine, O.
Milligan, E. Mildred.....	617 E. Park St., Olathe, Kans.
McClelland, Sue M.....	1111 Throop St., Topeka, Kans.
McGoun, Jean.....	1000 5th Ave., Beaver Falls, Pa.
McGoun, John.....	1000 5th Ave., Beaver Falls, Pa.
McIsaac, Robt. H.....	R. D. No. 2, Rochester Mills, Pa.
McKee, Lola M.....	1928 7th Ave., Beaver Falls, Pa.
McKee, E. Louise.....	No. 3 Bridge St., Beaver Falls, Pa.
Nagel, Chester Scott.....	R. D. No. 2, Wampum, Pa.
Nair, Lillian.....	1123 8th Ave., Beaver Falls, Pa.
Nicely, H. Verne.....	R. D. No. 3, Darlington, Pa.
Parsons, Donald N.....	387 Vermont Ave., Rochester, Pa.
Patterson, Ada B.....	414 Fourth Ave., New Brighton, Pa.
Patterson, W. Lawrence.....	R. D. No. 4, Bellefontaine, Ohio
Porter, Gladys.....	1321 Fifth Ave., Beaver Falls, Pa.
Powers, J. Samuel.....	R. D. No. 2, New Castle, Pa.
Purvis, Sara E.....	R. D. No. 2, Saxonburg, Pa.
Robb, Margaret.....	R. D., Morning Sun, Iowa
Runyan, Willa.....	323 Franklin Ave., Ellwood City, Pa.
Russell, David B.....	R. D. No. 3, Delhi, N. Y.

Sahli, I. Sigsbee.....	2416 Seventh Ave., Beaver Falls, Pa.
Sayre, Otha H.....	R. D. No. 4, Beaver Falls, Pa.
Shaw, Albert H.....	Winchester, Kans.
Smith, Frances A.....	R. D. No. 3, Beaver Falls, Pa.
Steele, Frank L.....	R. D. No. 5, Stafford, Kans.
Stormont, John L.....	227 N. Seminary St., Princeton, Ind.
Swan, Chas. W.....	1409 Third Ave., New Brighton, Pa.
Temple, Howard C.....	Woodlawn, Pa.
Wagner, Mildred.....	Beaver Falls, Pa.

SPECIAL STUDENTS

Baker, E. Letitia.....	208 Fourth St., Ellwood City, Pa.
Carson, Hannah M.....	455 Common St., Belmont, Mass.
Frederick, Mrs. S. J.....	1310 Seventh Ave., Beaver Falls, Pa.
Hall, Ella.....	1716 Seventh Ave., Beaver Falls, Pa.
Porter, Rosetta	Enon Valley, Pa.
Ransom, George.....	3223 Sixth Ave., Beaver Falls, Pa.

POST GRADUATES

Cook, Martha A.....	1011 Fourth Ave., Beaver Falls, Pa.
Roney, Rena W.....	1116 Fifth Ave., Beaver Falls, Pa.
White, Dorothy	Beaver, Pa.

SUMMER SESSION 1917

Arnold, Euphemia	New Galilee, Pa.
Billig, Thos. C.	1522 Thirteenth Ave., New Brighton, Pa.
Cook, Isabel.....	3609 Fifth Ave., Beaver Falls, Pa.
Cook, Mary.....	1011 Fourth Ave., Beaver Falls, Pa.
Cook, Martha.....	1011 Fourth Ave., Beaver Falls, Pa.
Cornelius, Grace E.....	720 Eighteenth Ave., Beaver Falls, Pa.
Davis, Earl.....	1141 Corporation St., Beaver, Pa.
Dodds, Miriam.....	3237 Fifth Ave., Beaver Falls, Pa.
Dougherty, Mary G.....	1707 Fourth Ave., Beaver Falls, Pa.
Dungan, Archie.....	1307 Third St., Beaver, Pa.
Ellis, Alberta M.....	1002 Tenth Ave., New Brighton, Pa.
Girvan, E. May.....	2326 Seventh Ave., Beaver Falls, Pa.
Huth, Emory	Rochester, Pa.
Jackson, Ada.....	1401 Fifth Ave., Freedom, Pa.
McConagha, Mrs. Mary C.....	3231 Fourth Ave., Beaver Falls, Pa.
McGoun, Jean.....	1000 Fifth Ave., Beaver Falls, Pa.
Morlan, Eva	
Murphy, Murdick.....	410 S. Highland Ave., Connellsville, Pa.

Ransom, Brown.....	3223 Sixth Ave., Beaver Falls, Pa.
Richards, Nicholas F.....	147 D Street, Johnstown, Pa.
Schumaker, Grace.....	R. D. No. 2, Ellwood City, Pa.
Stahlman, Charles E.....	East Brook, Pa.

SCHOOL OF MUSIC

PIANO STUDENTS

Alcorn, Hazel	New Bethlehem, Pa.
Allen, Iva	Morning Sun, Iowa
Bauer, Dorothy	College Hill, Pa.
Bauer, Pauline	College Hill, Pa.
Beaver, Mabel	New Brighton, Pa.
Bentley, Alan	College Hill, Pa.
Bentley, Elizabeth	College Hill, Pa.
Bentley, Louis	College Hill, Pa.
Best, Eva	College Hill, Pa.
Botts, Gladys	Beaver Falls, Pa.
Boyer, Bessie	Beaver Falls, Pa.
Brant, May	College Hill, Pa.
Carnes, Ethel	College Hill, Pa.
Carothers, Margaret	College Hill, Pa.
Cook, Isabel	College Hill, Pa.
Daniels, Esther	Beaver Falls, Pa.
Davidson, Mabel	College Hill, Pa.
Douglass, Mary	College Hill, Pa.
Elliott, Olive	New Castle, Pa.
Fields, Dorothy	College Hill, Pa.
Gordon, Florence	College Hill, Pa.
Graham, Wm. E.....	College Hill, Pa.
Green, Mildren	College Hill, Pa.
Gumpf, Albert	Beaver Falls, Pa.
Hamilton, Evelyn.....	College Hill, Pa.
Haufmann, Anna	College Hill, Pa.
Hays, Evadne	College Hill, Pa.
Hiddleston, Paul	College Hill, Pa.
Hoeffling, Stella	College Hill, Pa.
Hoon, Gladys	East Palestine, Ohio
Hoon, Mrs. W. I.....	East Palestine, Ohio
Jackson, Jennie	Ellwood City, Pa.
Jamison, Devere	Beaver Falls, Pa.
Keller, Fay	College Hill, Pa.
Latto, Jessie	Beaver Falls, Pa.
Latto, Mildred	Beaver Falls, Pa.

Lawson, Adella	College Hill, Pa.
Lemley, Romaine	College Hill, Pa.
Littell, Frieda	College Hill, Pa.
Martin, Hathaway	College Hill, Pa.
Metheny, Margaret	College Hill, Pa.
Miles, Byrd	Wampum, Pa.
Morse, Flora	Beaver Falls, Pa.
McCandless, Addison	Beaver Falls, Pa.
McConagha, Isabel	College Hill, Pa.
McPherson, Ellsworth	College Hill, Pa.
McPherson, Frances	College Hill, Pa.
Orr, Cora	LaJunta, Colo.
Porter, Gladys	Beaver Falls, Pa.
Porter, Mildred	Enon, Pa.
Reuff, Reba	Ellwood City, Pa.
Richardson, Margaret	College Hill, Pa.
Robinson, Richard	College Hill, Pa.
Roys, Sallie	Beaver Falls, Pa.
Russell, Magdaline	College Hill, Pa.
Schaal, Lola	College Hill, Pa.
Shaffer, Ethel	New Brighton, Pa.
Shannon, Gladys	New Galilee, Pa.
Sheppele, Esther	Beaver Falls, Pa.
Shillito, Helen	College Hill, Pa.
Shimer, Lela	Beaver Falls, Pa.
Shimer, Leta	Beaver Falls, Pa.
Shoop, Erma	Beaver Falls, Pa.
Slater, Dorothy	College Hill, Pa.
Slater, Maud	College Hill, Pa.
Southwick, Cora	Beaver Falls, Pa.
Stanyard, Eva	College Hill, Pa.
Starr, George	College Hill, Pa.
Taggart, Ruth	College Hill, Pa.
Thomas, William	College Hill, Pa.
Thomas, Dorothy	College Hill, Pa.
Troeter, Dorothy	College Hill, Pa.
Wagner, Clifford	Beaver Falls, Pa.
Ward, Hessie	College Hill, Pa.
Whitla, Theodore	Beaver Falls, Pa.

VIOLIN AND 'CELLO DEPARTMENT

Bentley, Alan	Beaver Falls, Pa.
Bentley, Elizabeth	Beaver Falls, Pa.
Bentley, L. L.	Beaver Falls, Pa.

Blackwood, Frank	Beaver Falls, Pa.
Blackwood, Veo	Beaver Falls, Pa.
Braden, Edmund	Beaver Falls, Pa.
Brown, Eugene	Beaver Falls, Pa.
Calhoun, Andrew	New Brighton, Pa.
Carr, Eugene	New Brighton, Pa.
Carr, Grace	New Brighton, Pa.
Frazier, Merle	Beaver Falls, Pa.
Gonnolly, Beatrice	Beaver Falls, Pa.
Haggart, Kenneth	Beaver Falls, Pa.
Haggart, Kenneth	Beaver Falls, Pa.
Hoon, Mrs. W. J.	East Palestine, Ohio
Javens, Dorothea	Beaver Falls, Pa.
King, Alvin	Beaver Falls, Pa.
Landsbach, Kenneth	Beaver Falls, Pa.
McCandless, Addison	Beaver Falls, Pa.
Moltrup, Kathryn	Beaver Falls, Pa.
Morris, Hartley	Beaver Falls, Pa.
Nagel, Chester	Wampum, Pa.
Patton, Alice	Morning Sun, Iowa
Pearce, Dorothy	Beaver Falls, Pa.
Phillip, Bernice	Morning Sun, Iowa
Ransom, Lynn	Beaver Falls, Pa.
Rayl, Wells	Beaver Falls, Pa.
Robinson, James	Beaver Falls, Pa.
Scheer, Anna	Beaver Falls, Pa.
Slater, Paul	Beaver Falls, Pa.
Straley, Ellis	Koppel, Pa.
Wilkerson, Margaret	Beaver Falls, Pa.
Woelfel, Norman	Beaver Falls, Pa.
Ziebric, Anna	New Brighton, Pa.

SCHOOL OF PUBLIC SPEAKING

Arnold, Philaphena	Beaver Falls, Pa.
Baker, Letitia	Ellwood City, Pa.
Berry, Walter	New Brighton, Pa.
Clarke, Elizabeth	Koppel, Pa.
Dinsmore, Alice	Hickory, Pa.
Ellis, Alberta	New Brighton, Pa.
Kennedy, Elizabeth	Beaver Falls, Pa.
Lutz, James	Beaver Falls, Pa.
Lytle, Robt. H.	Beaver Falls, Pa.
Martin, Donald	Beaver Falls, Pa.
Murphy, Murdick	Connellsville, Pa.

Nagel, Chester	New Galilee, Pa.
Porter, Rosetta	Enon Valley, Pa.
Reynolds, Margaret	Utica, Ohio
Schutte, William	Beaver Falls, Pa.
Steele, Mary	Stafford, Kans.
Ward, Thomas	Freeport, Pa.
White, Emma	Winchester, Kans.
Wylie, Mrs. Harry H.....	Beaver Falls, Pa.

NORMAL SCHOOL

Allen, Kathleen	Woodlawn, Pa.
Alstadt, Alma	Zellenople, Pa.
Anderson, Mary	College Hill, Pa.
Bagshaw, Ethel	Woodlawn, Pa.
Baker, Pearl	New Galilee, Pa.
Beal, Hermann	Hookstown, Pa.
Bell, Mabel	New Sheffield, Pa.
Bell, Mary.....	537 11th Ave., New Brighton, Pa.
Berkman, Welthia	Monaca, Pa.
Berresford, Emily	Koppel, Pa.
Beymer, Laura	New Brighton, Pa.
Black, Helen	371 E. Taggart St., East Palestine, Ohio
Bonzo, Gertrude	Rochester, Pa.
Brady, Laura	New Sheffield, Pa.
Brandt, Charles M.....	R. D. No. 1, Rochester, Pa.
Brehm, Irene	Rochester, Pa.
Briggs, Florence	New Brighton, Pa.
Buchanan, Anne	Beaver, Pa.
Buchanan.....	R. D. 2, Hookstown, Pa.
Burgett, Sarah	Beaver, Pa.
Butler, Mary	Murdocksville, Pa.
Caldwell, Maude.....	R. D. No. 1, New Brighton, Pa.
Calvin, LaFern.....	R. D. No. 1, Darlington, Pa.
Cameron, Fanny.....	Hookstown, Pa.
Carr, Edith.....	1000 Eighth Ave., New Brighton, Pa.
Chambers, Edythe.....	R. D. No. 1, Hookstown, Pa.
Coffey, Mrs. Edna.....	Baden, Pa.
Cole, Helen.....	1122 Tenth Ave., Beaver Falls, Pa.
Cole, Mabelle.....	122 Tenth Ave., Beaver Falls, Pa.
Cook, Mary.....	1011 Fourth Ave., Beaver Falls, Pa.
Cooper, Armenia	New Brighton, Pa.
Craft, Jessie	R. D. No. 1, Beaver Falls, Pa.
Craig, Olive	Georgetown, Pa.
Dean, Ethel	Freedom, Pa.

Denny, Violet	Vanport, Pa.
Dickey, Margaret.....	301 Third Avenue, New Brighton, Pa.
Daugherty, Margaret	Beaver Falls, Pa.
Duncan, Clarence B.....	New Galilee, Pa.
Eaton, Mary	Murdocksville, Pa.
Edmond, Nancy.....	329 Beaver Ave., Midland, Pa.
Elder, Grace.....	R. D. No. 1, Darlington, Pa.
Emerick, Marie.....	care C. A. Kline, Freedom, Pa.
Engle, Mary.....	Rochester, Pa.
Fennell, Teresa	Cannelton, Pa.
Flocker, Edna G.....	341 Park St., Beaver, Pa.
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Downie, Dr. Regina.....	College Hill, Pa.
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Park, Lea	New Brighton, Pa.
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SCHOOL OF PUBLIC SPEAKING

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Geneva College Bulletin

JUNE, 1919

VOLUME TEN—NUMBER TWO

UNIVERSITY OF ILLINOIS LIBRARY

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Administrative Library

CATALOGUE

Announcements for 1919-1920

Register of Faculty and Students for 1918-1919

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Geneva College comprises the following divisions:

The School of Liberal Arts,
The Extension Division,

The School of Music,
The School of Public Speaking,
The Normal School.

The following publications are issued annually by the
College:

The College Catalogue,
The Bulletin of the School of Music,
The Alumni Bulletin,
The Bulletin of the Normal School.

Geneva College Bulletin

JUNE, 1919

VOLUME TEN—NUMBER TWO



CATALOGUE

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Entered as second class matter July 11, 1910, at the Post Office of Beaver Falls, Pa.,
under act of July 16, 1894.

CALENDAR

1919

- June 16—Monday, Summer Session opens 9 A. M. (Normal and College Departments).
July 19—Saturday, Normal Department closes.
Aug. 8—Friday, College Department closes.

* * * * *

- Sept. 17—Wednesday, First Semester begins 9 A. M.
Nov. 26—Wednesday, Thanksgiving Vacation begins at 12:00 noon.
Dec. 2—Tuesday, classes begin at 8 A. M.
Dec. 22—Tuesday, Christmas Vacation begins at 4 P. M.

1920

- Jan. 6—Tuesday, School resumes at 8 A. M.
Jan. 30—Friday, First Semester closes.
Feb. 3—Tuesday, Second Semester begins at 8 A. M.
April 1—Spring Vacation begins at 4 P. M.
April 6—Tuesday, School resumes at 8 A. M.
June 4—Friday, Literary Society Receptions.
June 6—Sabbath, Baccalaureate Sermon.
June 8—Entrance Examinations.
June 10—Thursday, Graduation Day.

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24
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VOICE

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood, Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnson, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: one from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P. Johnston was elected to the presidency and the college

continued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, Dr. W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Dr. Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church and who had served as Secretary of the Board of Trustees for several years.

CONTROL AND ENDOWMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

The endowment, in connection with the small tuition fees, is sufficient to meet the necessary expenses of the college, and the fact that there is a certain definite income relieves from anxiety as to what the attendance will be year by year.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Penna. From the postoffice of Beaver Falls the smaller town receives free delivery of mail twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 35,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, and Erie & Pittsburgh.

There are many churches of all denominations in the city, and there is also a free library. The residents of

College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten-acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with football field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sandstone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and office, several rooms used by the departments of Music, Art, Oratory and Christian Associations, together with six recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the departments of Chemistry and of Biology, the second story by the departments of Physics and of Mathematics. It contains Chemical, Physical and Biological laboratories, with store-rooms and photographic dark room. The laboratories and class rooms are commodious, well lighted and heated.

McKee Hall. McKee Hall is the residence for women students of the college. The building is two stories high, exclusive of the basement, is lighted by electricity and heated throughout by steam and natural gas. It was entirely remodeled and modernized in the summe of 1915.

The average size of the bedroom is 13 by 14 by 9 feet. Each room has a clothes closet, a study table and other necessary furniture; but each girl is expected to provide her own bed linen, window curtains, bureau and wash-stand covers, towels and napkin ring.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$35,000, was constructed during the year 1910-1911. It was built in honor of President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes that have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present.

There are also held in the chapel on Sabbath mornings, Bible classes taught by members of the faculty.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each semester as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall ensures the wide influence and vital educative force of constant association with one's peers in all the varied activities of under-graduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory. Applications for rooms should be made to the Registrar. A deposit of \$5.00 must accompany each application.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life today: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of others;

the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings or on the grounds, card playing, dancing, frequenting the theatre and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root these out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are beyond home influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelpheic Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening of the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of these two societies is to give opportunity for training in public speaking, the programs for regular meetings consisting of essays, declamations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school.

Christian Associations. The Young Men's and Young Women's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctly Christian work. While the original idea was to include those who intended to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formulation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very important place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations. The Glee Club is made up of sixteen men who train under the direction of the Professor of Vocal Music. The tryouts for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made

up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All foot-ball, basket-ball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for inter-collegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as University of Pittsburgh, Westminster, Grove City, Thiel, Bethany and Muskingum. Six institutions are represented in the Tri-State Oratorical Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in tryouts open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another examination is made at the close of the year to note the progress made.

Besides the gymnasium class work, various forms of inter-collegiate athletics are carried on under the direction

of an experienced athletic coach. Foot-ball, basket-ball, tennis, and field and track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

DEBATING

Opportunities are afforded for systematic training in debating, both in the classroom and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least two inter-collegiate debates are held each year. Members of the inter-collegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a Student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The pur-

pose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year. The annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class of each year shall be members of the Association during the annual business meeting of that year, without payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President, First Vice-President, Second Vice-President, Secretary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association.

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.
2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."
3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

LECTURE COURSE

Frequently the college offers to its students a free lecture course. Local talent, frequently alumni who are in business or professional life, are invited to speak upon some phase of their work. Because of the short distance to Pittsburgh and the excellent train service, it is possible to levy upon the talent of that city. Lectures on science, politics, literature and other subjects entertain and instruct the college community. A fine projection lantern often makes the lectures most interesting.

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase

every year the latest and best volumes on topics old and new, kindred to the studies of the curriculum.

The library is in care of a Librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 8:00 A. M. to 12:15 P. M.; 1:30 P. M. to 3:30 P. M.

Last year the Geneva College Library was reorganized. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, has been completed. It contains complete subject, title, and author headings for all the books in the library. For this catalogue cards were purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets have been installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

A new chemical laboratory was recently equipped on the ground floor of Science Hall; the Library was remodelled in connection with the introduction of the Dewey Decimal System; a large filing cabinet was installed in the Registrar's office; the President's office and an office room in the Science Hall were completely furnished.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music, and the degree of Bachelor of Oratory in the School of Public

Speaking. The Art Department grants a certificate only and not a degree. The Master's degree is no longer given in course. All other degrees are honoris causa. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelors' degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize, which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students taking Freshman English. The prize is offered through the generosity of the late Hays Euwer of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1917-1918 the topic was assigned to the Department of Biology. For the year 1918-1919 the topic is assigned to the Department of Chemistry.

4. History Prize, \$30.00. Through the generosity of the late Henry Wallace, LL. D., of Des Moines, Iowa, this prize is offered for the best work done in the Department of History.

5. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late J. Herbert Morton, sometime principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

6. Bible Prize, \$30.00. This prize is offered by a friend for the best work done in the Department of English Bible.

7. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

8. Classics and Modern Language Prize, \$15.00. This prize is offered by a friend and is awarded for the best work in the Classics as they are related to Modern Languages and Literature.

9. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the one who represents Geneva in the Tri-State Inter-collegiate Oratorical Contest.

EXPENSES

The following expense account is for a student in the School of Liberal Arts. Students in the other schools may estimate accordingly:

Tuition and Contingent Fee.....	\$93.00
Athletic Fee	5.00
Incidental Fee	1.00
Library Fee	1.00
	<hr/>
	\$100.00

Dormitory rooms (double) rent for \$10.00 a month. Those on the Hill rent from \$10.00 to \$12.00. This secures all that belongs to a room—light, fuel and care. The boarding is mostly provided for in clubs. Meals in connection with these, ladies and gentlemen eating together, cost about \$5.00 per week. Total expenses for the college year are approximately: Average, \$375; low, \$325; high, \$425.

THE SCHOOL OF LIBERAL ARTS

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

A. B., Geneva College, Columbia University;

D. D., Westminster College

PROFESSOR OF BIBLE AND POLITICAL PHILOSOPHY

ROBERT CLARK, A. M., B. D.

A. B., Geneva College; Chicago University;

A. M., Princeton University

PROFESSOR OF ETHICS

ROBERT C. COLWELL, PH. D.*

A. B., University of New Brunswick and Harvard University,

University of Chicago; Ph. D., Princeton University

PROFESSOR OF MATHEMATICS AND PHYSICS

HARRY H. WYLIE, PH. D.*

A. B., Muskingum; A. M., Harvard University;

Ph. D., University of Chicago

PROFESSOR OF EDUCATION, PSYCHOLOGY AND PHILOSOPHY

M. GYLA MACDOWELL, A. M.

A. B., Grove City College; A. M., Columbia University

PROFESSOR OF ENGLISH

SAMUEL R. SCHOLES, PH. D.

A. B., Ripon College; University of Chicago;

Ph. D., Yale University

PROFESSOR OF CHEMISTRY

A. A. JOHNSTON, A. M., B. D.*

A. B., Geneva College; A. M., Princeton University;

B. D., Princeton Seminary; University of Edin-

burgh; University of Pennsylvania

PROFESSOR OF ECONOMICS AND HISTORY

*Granted leave of absence on account of war service.

W. C. HUNTER, A. M.

A. B., Princeton University; University of Illinois;

A. M., Harvard University

PROFESSOR OF HISTORY AND ECONOMICS

G. G. STARR, A. B.

A. B., Wooster College, Cornell University

PROFESSOR OF MATHEMATICS

SLOANE C. MARTIN, A. B.*

A. B., Geneva College; University of Chicago

PROFESSOR OF BIOLOGY

CLARA ROSENGARTEN, A. M.

A. B., University of Denver; University of Berlin; University of Pennsylvania; A. M., Columbia University

PROFESSOR OF SPANISH AND FRENCH

ISABELLA STEWART, A. B.

A. B., Cincinnati University

PROFESSOR OF FRENCH

CHARLES M. LEE, A. M.

A. B., Miami University; A. M., University of Cincinnati

PROFESSOR OF ANCIENT LANGUAGES AND BIOLOGY

MRS. H. H. WYLIE, A. B.

A. B., Geneva College; University of Chicago

PROFESSOR OF EDUCATION, PSYCHOLOGY AND PHILOSOPHY

JOHN BAUMAN, C. E.

A. B., Muhlenburg College; C. E., Lehigh University

PROFESSOR OF ASTRONOMY AND PHYSICS

LELIA CAMPBELL, A. B.

A. B., Geneva College; John Hopkins University

ASSISTANT PROFESSOR OF ENGLISH

M. CAROTHERS McCONAGHA, B. E.

National School of Oratory; University of Chicago;

University of Michigan

PROFESSOR OF PUBLIC SPEAKING

*Granted leave of absence on account of war service.

P. H. BRIDENBAUGH, A. B.
A. B., Franklin Marshall College
PHYSICAL DIRECTOR FOR MEN

EDNA M. GEORGE
Chautauqua School of Physical Education
PHYSICAL DIRECTOR FOR WOMEN

CARL J. STRINGER, A. B.
A. B., Geneva College
INSTRUCTOR IN MATHEMATICS

M. LOUISA GIFFEN
ASSISTANT IN CHEMISTRY DEPARTMENT

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. A unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

English	3
Foreign Language	4, two of which must be in one language
Mathematics	2
History	1
Science	1

Elective	2, taken from above subjects.
Elective	2, taken from above subjects, or any subjects which are accepted for graduation in an accredited preparatory or High School in the State from which student comes. The following subjects are excepted:
	Domestic Science
	Manual Training
	Stenography
	Bookkeeping.
Total.....	15

Note I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

Note II. If all four units of foreign language presented are Latin, fourteen (14) hours of one modern language will be required in college.

Note III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 15) usually taken in the Freshman year.

Bible—8 semester hours.

History—6 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 22), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

Group 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, German or Romance Languages	6 hours

Group 2

Latin and Greek	18 hours
Romance Languages or German.....	12 hours
English, History, Philosophy, Education, Latin, Greek, German or Romance Languages.....	6 hours

Group 3

Romance Languages or German.....	18 hours
German, or Romance Languages.....	12 hours
Latin, Greek, English, History, Philosophy or Education..	6 hours

(Note: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group.)

Group 4

Philosophy and Education.....	18 hours
English, or History and Economics.....	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

Group 5

English	18 hours
Latin, Greek, German or Romance Languages.....	12 hours
Philosophy, Education, History or Economics.....	6 hours

Group 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

Group 7

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education.....	12 hours
Latin, Greek, German or Romance Languages.....	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) FOR THE DEGREE OF BACHELOR OF SCIENCE**Group 1**

Chemistry	18 hours
Biology, or Physics and Geology.....	12 hours
Biology, Mathematics or Physics.....	6 hours

Group 2

Mathematics	18 hours
Biology or Chemistry	12 hours
Biology, Chemistry or Physics.....	6 hours

Group 3

Biology	18 hours
Chemistry, or Chemistry and Physics.....	12 hours
Physics or Geology.....	6 hours

Note: Fourteen hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATIONS, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates for admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the first month of the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty. Entrance conditions will be subject to special arrangements.

V. Grading System.—The standing of a student in his work is indicated by the class in the following scale to which he is assigned:

Class A.—Equivalent to 100 to 95 per cent., or very good.

Class B.—Equivalent to 95 to 90 per cent., or good.

Class C.—Equivalent to 90 to 80 per cent., or fair.

Class D.—Equivalent to 80 to 65 per cent., or passing.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a receipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced.

VIII. Registration Committee.—Each student is required to meet the Registration Committee at the beginning of each se-

mester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

President R. H. Martin,
 Prof. C. M. Lee,
 Miss Gyla MacDowell,
 Dr. H. H. Wylie,
 Prof. W. C. Hunter,
 Dr. Robert C. Colwell.

IX. **Limitation of Courses.**—No student shall be allowed to carry more than seventeen semester hours without consent of the Faculty.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

FEEES

(1) Tuition per semester.....	\$37.50
(For sons and daughters of clergymen, one-half the regular rate.)	
(2) Contingent fee, per semester.....	9.00
(3) Chemistry laboratory fee, per semester.....	3.75
(4) Biology laboratory fee, per semester, from.....	2.50 to \$5.00
(5) Examination other than regular.....	1.00
(6) Graduation fee in all departments.....	5.00
(7) Athletic fee	5.00
(8) Incidental fee	1.00
(9) Library fee	1.00

SCHOLARSHIPS

Two kinds of scholarships are offered:

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated High Schools in Western Pennsylvania. These scholarships pay all tuition for four years.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each

year to deserving students. The value of these scholarships is \$50.00 each, the interest on \$1000.00 for one year. Application blanks may be obtained from the Registrar, Geneva College, Beaver Falls, Pa.

COURSES OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is, however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required.

Three hours a week, first semester.

DEPARTMENT OF BIBLE

It is the aim in the courses in the Bible to familiarize the student with the English Bible and to bring him into intelligent and vital connection with the Word itself. The Bible itself is used as the text book. The courses offered require thorough work and give as high disciplinary results as other studies. Eight credit hours required for graduation.

15. **Old Testament Perspective.**—An outline course designed to give the student a clear grasp of the greater events, characters and movements of the Old Testament Scriptures. Two hours a week, first semester, required.

16. **Old Testament Prophets.**—This course deals with the great prophets of the Old Testament and their messages. Its purpose is to give the student an understanding of the character of the prophet, of the social, political, moral and religious condition of the times which called forth the message; and of the message itself, in its application to his own and our times. Two hours a week, first semester, required.

17. **The Life of Christ.**—The aim of this course is to use the Gospels so as to give the student an understanding and appreciation of the important events and facts of Christ's life, of His person, character and ideals, of the new truths he reveals and of His mission to the world. Groscup's Historical Chart of the Life and Ministry of Christ with an Outline Harmony of the Gospels, is used in the study of this course. Two hours per week, second semester, required.

18. **A Study of the Book of The Acts.**—Attention will be given to the leading characters of the book; to the rise and growth of the Christian Church and to its development from a Jewish Church into the Church Universal; to Paul's missionary journeys and to the development of the Kingdom of God. Two hours per week, second semester, required.

19. **A Study of the Kingdom of God.**—This is the one all-inclusive theme of the Bible. It is the goal of human history. To establish the Kingdom of God was the mission of Christ to the world. The advancement of the Kingdom is the mission of the church and the object of the christian's life endeavor. A true understanding of the Kingdom is one of the greatest needs of the time. A rediscovery of the Kingdom would give christianity a new meaning; it would lead to the discovery and proclamation of the gospel for society—for men in their industrial, social, political, national and international relationships; it would result in an endeavor not only to save individuals and fit them for heaven, but also to christianize society and build up a world order in which the will of God shall be done as it is now done in heaven. Biblical references, lectures, thesis. One hour course. Second semester. Elective.

DEPARTMENT OF BIOLOGY

The work in this department includes a study of living organisms, both plant and animal. The courses are so arranged that work exclusively in either Botany or Zoology can be taken. The aim in all the work is to give the student a comprehensive knowledge of the facts upon which the study of living organisms as a science, is founded. First hand observation and study of plants and animals in the laboratory and in the field is considered equally as important as text book and lecture work. The laboratory is equipped with the latest type of compound microscopes for students' use, dissecting microscopes, sliding and rotary microtomes, paraffin bath, incubator, aquarium, germinators, and other equipment necessary for high grade work in both Botany and Zoology. A special effort is made to impress students in this department with the value of strictly scientific methods so that these courses may serve as a basis for those who wish to do research work in Biology.

21. Introduction to Zoology.—An attempt is made in this course to give the student a thorough working knowledge of the basic principles and concepts of Zoology. The laboratory work includes observations and dissections upon: (1) unicellular types (*Amoeba*, *Paramecium*); (2) simple multicellular types (*Hydra*, *Planaria*); (3) higher invertebrate types (earth-worm, crawfish, honey bee); (4) a vertebrate type (frog). Emphasis is placed on accurate drawings and notes. Texts—"Introduction to Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory fee, \$2.50. Lectures and recitations, two hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered first semester.

22. Introduction to Botany.—General introduction to the study of Botany including first a study of the root, stem, leaf and seed of flowering plants. Types of the four phyla of plants are then taken up for special study in the laboratory and in the field. Special stress is laid on the use of the compound microscopic and the making of accurate drawing. This course is intended primarily for those who are beginning the study of Botany and is offered along with Course 23 for those who desire one year of general Biology. Text—"The Nature and Development of Plants," Curtis. Laboratory Fee, \$2.50. Lectures and Recitations, 2 hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered second semester.

23. Botany, Morphology of Thallophytes and Bryophytes.—This course followed by Course 25 is intended to give the student a thorough knowledge of the structure of all of the most important types of plants. While this is primarily a study of structure and form, the work takes in problems of ecology and physiology. Special problems considered are (1) the origin and evolution of sex, (2) the origin of stationary plants, (3) parasitism, saprophytism, symbiosis, (4) the origin of distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and the one which follows it. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisite, Course 22 or its equivalent. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

24. Botany, Morphology of Pteridophytes and Spermatophytes.—The work in this course begins with the study of the ferns, then takes up the transition from the flowerless to the flowering plants, and continues with a detailed study of the form, structure, distribution and ecology types of Angiosperms and Gymnosperms. Special problems considered in this course are

(1) advance of the sporophyte and reduction of the gametophyte, (2) appearance of heterospory, (3) spermatogenesis, (4) oogenesis, (5) embryology, (6) Engler's scheme of classification. Local flora will receive special attention. Text—"Textbook of Botany," Couter, Barnes and Cowles. Laboratory Fee, \$3.00. Prerequisites, Courses 22 and 23 or their equivalents. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered second semester.

25. **Invertebrate Zoology.**—A detailed study of type forms. Each student dissects about 20 types of invertebrates, making drawings and preserving notes. Emphasis is laid on the comparative study of forms of all the invertebrate phyla from the simplest unicellular types to the most complex invertebrates. This course along with Course 27 which follows it, is arranged for those who will enter medical school and fulfills the conditions of the leading medical schools of this country. Texts—"College Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory Fee, \$3.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

26. **Vertebrate Zoology.**—This course includes detailed dissections and drawings of such types of vertebrates as dogfish, perch, frog, turtle, lizard, pigeon and cat. Special attention is given to the work on the cat as an example of mammalian anatomy. Texts—"College Zoology," Hegner, and "Vertebrate Zoology," Pratt. Laboratory Fee, \$3.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Prerequisite, Course 26 or its equivalent. Offered second semester.

27. **Animal Histology.**—Methods of fixing, sectioning, staining and mounting animal tissues. Microscopic study and drawing of same. Open to those who have had sufficient training in Zoology. No one should register for this course without first consulting the instructor. Textbook—Hill's "Normal Histology." Laboratory Fee, \$5.00. Lecture or Recitation, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

28. **Methods in Plant Histology.**—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text—"Methods in Plant Histology," Chamberlain. Laboratory Fee,

\$5.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

DEPARTMENT OF CHEMISTRY

15. **General Inorganic Chemistry.**—A first course in Chemistry, intended to give a broad survey of the subject to students majoring in courses other than science. It is also the foundation course for those who will continue in Chemistry. Emphasis is laid on the industrial and every-day applications of the science. Text—Alexander Smith, "General Chemistry for Colleges." Laboratory manual—Smith, "Laboratory Outline of College Chemistry." Two recitations and 4 hours laboratory per week, first semester. Four hours credit.

16. **General Inorganic Chemistry.**—Continuation of Chemistry 15. Four hours, second semester.

17. **Advanced Inorganic Chemistry.**—Open to students who offer Chemistry for entrance. A review of the subject, covering the laws and theories of general chemistry, with a study of the non-metallic elements. In the laboratory, stress is laid on the quantitative character of reactions. Texts and hours, same as Chemistry 15. First semester.

18. **Qualitative Analysis.**—A study of the metals and their reactions, from the view-point of the ionic theory. The separation and identification of the bases and acids is studied in the laboratory. Two recitations and 4 hours laboratory per week, second semester. Four hours credit. Text—Alexander Smith, "General Chemistry for Colleges." Lectures on the theory involved. Laboratory manual—"Qualitative Analysis," Baskerville and Curtman. Prerequisite, Course 15-16 or 17.

20. **Quantitative Analysis.**—A continuation of Course 19, taking up volumetric methods. Four hours laboratory per week, second semester. Two hours credit.

21. **Organic Chemistry.**—This is an introductory course, designed for the average student. It also serves for students choosing Chemistry as a career, giving them the fundamentals rather than the details of the chemistry of carbon compounds. Emphasis is placed upon the reactions of typical compounds. Text—Moore, "Outlines of Organic Chemistry." Laboratory manual—Moore. Two recitations and four hours laboratory per week, first semester. Four hours credit. Prerequisite, General Chemistry.

22. **Food Chemistry.**—Bailey's "Source, Chemistry, and Use of Food Products" is used as a text. The applications of chem-

istry to the problems of the proper selection and preparation of food form the main theme, with an analytical study of the nutritive values of various foods. In the laboratory, analysis and tests for impurities are made. Two recitations and four hours laboratory per week, second semester. Prerequisite, General Chemistry. Course 21 should also have been taken.

DEPARTMENT OF EDUCATION

15. **History of Education.**—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticise our own ideals and methods in the light of these. Text: Monroe's History of Education. This course is open to Juniors and Seniors. Advised prerequisite, Psychology 15 and 16. First semester, 3 hours.

16. **Principles of Secondary Education.**—The scope of secondary education; the underlying factors which should determine character; the organization of secondary education; and the subject matter which should be taught. Text: "Monroe's Principles of Secondary Education." This course is open to Juniors and Seniors. Prerequisite, Education 15. Second semester, 3 hours.

DEPARTMENT OF ECONOMICS

15. **Economics.**—The principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. These economic principles will then be applied to the problems of labor, immigration, transportation, and monopoly. Special attention will be paid to money and banking, government control, labor unionism and socialism. A text will form the basis of the work, supplemented by practical questions and exercises.

Both semesters, 3 hours a week. Open to Sophomores, Juniors and Seniors.

DEPARTMENT OF ENGLISH

24. **Rhetoric and Composition.**—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Texts: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pilkin:

Short Story Writing; Esenwein: *Studying the Short Story*. Prerequisite: see College Entrance Requirement. Time, 4 hours per week during entire year.

25. **Old and Middle English.**—History of Old and Middle English studied. Reading of *Beowulf*, Old English Prose and Poetry; Malory's *Mort-d'-Arthur*—Tennyson's *Idylls of the King*; Chaucer's *Canterbury Tales*; Spenser's *Fairie Queen* and Bacon's *Essays*. Fortnightly themes. Texts: *Beowulf*: Child's translation Old English Prose and Poetry; Cook and Tinker: *Chief Middle Poets*; Jessie Weston: *Canterbury Tales*, MacMillan Edition; *Fairie Queen*, MacMillan Edition; Bacon's *Essays*. Prerequisite, English 24. Time, 3 hours per week, first semester.

26. **Shakespeare.**—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's complete works; Banly: "Pre-Shakespearean Drama"; Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester.

27 (a). **Milton.**—Study of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, the minor poems and selections from Milton's Prose. Text: Milton's *Poems* (Student's Cambridge Edition); *Selections from Milton's Prose*: Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, 1 hour per week, first semester.

28. **Dante.**—Study of Dante's *Inferno*, *Purgatorio* and *Paradiso*. Texts: Gardner: *Dante Primer*; Dante's *Divine Comedy*: Gollancz (in *Temple Classics*). Prerequisite, English 24. Time, 1 hour per week, first semester.

29. **Literary Criticism.**—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: *Principles of Literary Criticism*: Winchester. Prerequisite, English 24. Time, one hour per week, first semester.

30 (a). **Classicism and Romanticism.**—Lectures and recitations tracing the movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: *The beginning of the Romantic movement in the 18th century*: Phelps. Prerequisite, English 24. Time, 1 hour per week during second semester.

31 (b). **Tennyson and Browning.**—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Student's Cambridge Edition); Phelps: Browning, How to Know Him. Prerequisite, English 24. Time, 1 hour per week during second semester.

32 (c). **American Poets.**—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: Representative American Poets: Curtis Hidden Page. Prerequisite, English 24. Time, 1 hour per week during second semester.

33. **Modern Drama.**—Lectures and Readings—Ibsen, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Galsworthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. 18. Time, 3 hours per week, first semester.

34 (a). **British Poets of the 19th and 20th Centuries.**—A study of the lives and works of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swineburn, Rosetti, Kipling and the new poets of today. Prerequisite, English 24. Texts: British Poets of the 19th Century: Curtis H. Page. Time, 2 hours per week, second semester.

34 (b). **English Essayists of 19th Century and Essayists of Today.**—Advanced study of five or six essayists, noting biographical, historical, philosophical qualities—the relation of such literature to the forces of social life. The work will be based on typical essays of Lamb, DeQuincey, Macaulay, Carlyle, Ruskin, Newman, etc. Text: Winchester: "A Book of English Essayists." Prerequisites, English 24, 27, 28. Time, 1 hour per week during the second semester.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who

wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. Physiography.—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, three hours a week.

16. Historical Geology.—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the work. Geology 15 is a desirable prerequisite. Second semester, three hours a week.

17. Field Geology.—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GREEK

The course in Greek covers three years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul, if acquired in a fair measure, will make it easier for a capable student to find his way through the great books, ideas and art productions of the world.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation.

15. Beginner's Course.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman Year, 4 hours.

16. **Xenophon and Herodotus.**—Parts of one or both authors with special attention to the structure of the Greek language and differences between the Attic and Ionic dialects. Readings from *Histories of Greece in English*.

First semester of Sophomore year, 3 hours.

17. **Homer.**—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer.

Second semester of Sophomore year, 3 hours.

18. **Plato.**—Apology, *Crito*, *Phaedo*, Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught after ages the meaning of "reasoned truth."

First semester of Junior year, 3 hours.

19. **Greek Drama.**—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Second semester of Junior year, 3 hours.

21. **New Testament Greek and Greek Literature.**—Selections from Gospels and Epistles. Hellenistic Greek. Connected view through lectures and readings or text-book of the whole course of Greek literature.

First semester, Senior year, 3 hours.

22. **Greek Archaeology.**—The contributions the Greeks have made, apart from their writings, to civilization. Their art, science, philosophy and politics in their enduring effect in modern life.

Second semester, Senior year, 3 hours.

DEPARTMENT OF HISTORY

20. **Greek History.**—A general survey of the political and social history of Greece with particular attention to the struggle with Persia, the Athenian Empire, the supremacy of Sparta, the Greek colonies, the empire of Alexander, and the Hellenistic period. Lectures, collateral reading and reports. (Offered in 1919-20.)

First semester, 3 hours a week.

21. Roman History.—A brief study of the life and government of the early Germans, the conquest of Italy and the world, the struggle with Carthage, conditions under republic and empire, Roman provincial government, education and law; the introduction of Christianity, and the division and decay of the empire. Lectures, reading, and reports. (Offered in 1919-20.)

Second semester, 3 hours a week.

22. English History.—The purpose of this course is to give the student a comprehensive view of English history, to make him acquainted with the life and institutions of the English people, to enable him to trace the unity and continuity of America's civilization with that of the mother country, and to furnish him a view in true perspective of the place that England has occupied in the political, social, industrial, and intellectual progress of the world. Special attention is given to the social and industrial development of Great Britain, particularly in the twentieth century. Careful study is made of the growth of the British constitution.

Cross' "A History of England and Greater Britain" and Ticknor's "Social and Industrial History of England" were the text books used this year.

First semester, 3 hours a week (Freshman year).

23. American History.—The preceding course in English History prepares the student for an intelligent study of the history of his own land. In this course, while the chief events will be brought clearly into view, special emphasis will be laid on principles and movements, and the student will be led to view his own country in its relation with that of other nations. Special search is made for the unique characteristics of American social and political life.

The text-books used are "The Formation of the Union" by Albert Bushnell Hart and "Division and Reunion" by Woodrow Wilson.

Second semester, 3 hours a week (Freshman year).

24. History of Revolutionary Europe.—This course deals particularly with the history of Europe from 1789 to 1815 but careful study will be made of the important periods leading up to the French Revolution. The intention is not so much to follow the military events of which those years were so full as to realize the transition from the old to the new that was then going on, and to gather up and impress the permanent results of the Revolution.

First semester, 3 hours a week, (Sophomore year).

25. **Modern Europe.**—Beginning with 1815, where the preceding course breaks off, this course continues the study of European history down to the year 1914. The “concert of Europe,” the “Balance of Power,” and the “Confederation of Europe,” are some of the features of this period which will be made prominent. Colonial expansion, the acquisition of territories, and the growing complexities of international relations will be traced throughout the course of the century. Special study will be made of developments leading to the Great War.

The text book used this year is Hazen’s “Europe Since 1815.”

Second semester, 3 hours a week, (Sophomore year).

26. **Mediaeval History.**—This course deals with the most important features of the Middle Age, the temporal and spiritual power of the Papacy, the persistence of the imperial idea, the growth of a community of nations, and the currents of thought that characterize the period.

Elective, first semester, 2 hours a week.

28. **Contemporary American History.**—From the beginning of the reconstruction period to the present time. The first part of the course will be occupied primarily with a study of the reconstruction period from 1865 to 1877. The second part of the course will be given to study of the social and industrial development of our country from 1877 to the present day.

The text books used are Dunning’s “Reconstruction—Political and Economic” and Paxton’s “The New Nation.”

Elective, three hours a week, second semester.

DEPARTMENT OF HISTORY OF ART

15. This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: History of Architecture; Marquand: History of Sculpture; Van Dyke: History of Painting.

Time, 2 hours per week throughout the year.

DEPARTMENT OF LATIN

Four semester courses are offered in Latin and the aim in all is preparation for life, in the broadest sense. The editor of the New York Sun said recently that his best proof of the value of classical study was forty years in a newspaper office. Information, social and literary background, power of interpretation and varied expres-

sion are sought in a language that gives us nearly eighty per cent of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts.

15. **Horace.**—Odes, Satires, Epistles. Horace as an exponent of the Augustan Age, as philosopher and literary critic.

First semester of Freshman year, 3 hours.

16. **Tacitus.**—Agricola and Germania. The Latin of the Silver age. Light thrown on the characteristics of the ancestors of nations now at war in Europe.

Second semester of Freshman year, 3 hours.

17. **Plautus.**—Trinumnus or Captivi. Early and colloquial Latin. Intimate knowledge of the plain people of the early Republican period of Rome.

First semester of Sophomore year, 3 hours.

18. **Seneca.**—Medea. Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second semester of Sophomore year, 3 hours.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself well qualified to teach mathematics in the elementary

schools or to continue his work in higher institutions of learning.

15. Advanced Algebra.

Three hours a week, first semester.

16. Trigonometry.

Three hours a week, second semester.

17. Analytical Geometry.

Three hours a week, first semester.

18. Differential and Integral Calculus.—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practical problems. Text book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

19. Differential Equations.—Equations of the first and second order of linear equations, solutions in series, partial differential equations, etc. Text book: Johnson's Differential Equations.

Three hours a week, first semester.

20. Analytic Mechanics.—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text book: Bowser's Analytic Mechanics.

Three hours a week, second semester.

21. Fouriers Series and Harmonic Functions.—Development in series, solution of certain partial differential equations. Text book: Byerly's Fouriers Series and Spherical Harmonics.

Three hours a week, second semester.

DEPARTMENT OF PHILOSOPHY

15. The Problems of Philosophy.—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Ethics which follow. The work in this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. Texts for 1918-1919: Paulsen's

Introduction of Philosophy; James' Some Problems of Philosophy. This course will be open to Juniors and Seniors.

First semester, 3 hours.

16. History of Philosophy.—The aim of this course is to trace the progress of philosophic thought from the Greek period to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. Text for class use: Roger's Student History of Philosophy. Text for applied study: Weber's History of Philosophy, or Cushman's History of Philosophy. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

17. Logic.—The general character of the thinking process is taken up; its laws of development are studied and the way thought actually proceeds in the solution of problems. The important methods are considered and tested as to their relative importance and logical validity. Texts: Creighton's Logic; Dewey's How We Think.

First semester, 2 hours.

18. Introductory Ethics.—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's Problems of Conduct. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take 3 periods per week for 18 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. The laboratories and lecture room are provided with a direct electric current of 110 volts, which the Armstrong Cork Company donates to the college for scientific work.

1. **General Advanced Physics.**—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, 3 hours a week, both semesters.

Laboratory Course

The work in this course comprises methods of mathematical demonstration and investigation of the principles of Physics and instruction in the use and adjustment of instruments, together with quantitative problems, the data of which are obtained by individual experiments. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Milligan and Mann's *Molecular Physics and Heat*, and Milligan's *Sound, Heat and Electricity*.

Four hours a week throughout the year.

DEPARTMENT OF POLITICAL PHILOSOPHY

15. **Political Philosophy.**—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God, grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text book, lectures, theses.

Two hours a week, two semesters.

DEPARTMENT OF PSYCHOLOGY

15. **Introductory Psychology.**—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Pillsbury's *The Fundamentals of Psychology* will be required as text, and in addition, considerable assigned reading outside of the text. First semester, 3 hours.

16. **Social Psychology.**—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relation of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text. Prerequisite, Psychology 15. Second semester, 3 hours.

DEPARTMENT OF PUBLIC SPEAKING

15. **Principles of Speaking.**—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—the coordination of mind, voice and body. First semester, 2 hours, required of all Sophomores.

16. **Literary Interpretations.**—The application of the fundamental principles to the interpretation of selections from literature. Second semester, two hours a week required.

17. **Extempore Speaking.**—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, 2 hours a week required.

18. **The Acting Drama.**—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational value, the choice of plays, selecting the cast, rehearsals, stage managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, 2 hours a week.

19. **Story Telling.**—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, two hours a week.

20. **Debate.**—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week.

21. **Debate.**—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week.

22. **Oration.**—The writing and delivering of orations. Training in the criticism and judging of orations. One hour a week.

23. **Oration.**—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week.

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed fre-

quently and after the first-year students have acquired a sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15 (a). **Elementary French.**—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France* or *Ca et Là en France*. Read *La Tâche du Petit Pierre*. Throughout the year, 4 hours.

16. **Intermediate French.**—Continued grammar drill. Prose composition and conversation one day a week throughout the year. Study of French Literature. Read Dumas' *Le Comte de Monte Cristo* and *Les Trois Mosquetaires*. Victor Hugo's *Les Misérables* is read from a critical and literary standpoint and the character development of Jean Valjean is studied from a psychological standpoint. Hugo's *Hernani* or Corneille's *Cid* is studied as a type of the French drama. Outside reading and book reviews from such authors as Corneille, Racine and Molière. Throughout the year, three hours.

ROMANCE LANGUAGE

17. **Modern Prose.**—Study of idioms and composition, reading preparatory to literary courses. Review of Fraser and Squair Grammar, François French composition, Koren French composition, dictation and memorizing. Open to students who have had French 15 or those who offered two units of French for entrance. May be taken by students who are taking courses 16, 17, 18. Two hours a week throughout the year.

18. **Modern French Literature.**—This course is intended to give the students a clear conception of the works of the present-day authors. Reading, Bazin—*Les Orberle*, Loti—*Pêcheur d'Islande*, France—*Le Crime de Sylvestre Bonnard*. Open to students who have completed course 16. Three hours a week, first semester.

19. **Classical French Drama.**—Study of Molière, Racine or Corneille. Lectures in French on the life and works of Molière,

Racine and Corneille. Reading: Molière, *Les Précieuses Ridicules*, *Le Bourgeois Gentilhomme* *L'Avare*, *Le Misanthrope*, Racine—*Andromaque*, *Phèdre*, *Athalie*, *Esther*, Corneille, *Le Cid* *Cinna*, *Polyencte*, *Horace* and *Britannicus*. Open to students who have had French 18. Three hours a week, second semester.

22. **Elementary Spanish.**—Espinosa and Allen's *Spanish Grammar*. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Read Turrell's *Spanish Reader*. Throughout the year, 4 hours.

23. **Intermediate Spanish.**—Open to students who have completed Course 22. Prose composition: Umphrey. Reading: Galdós—*Marianela*; Valera—*Pepita Jiménez*; Ayala—*Consuelo*; Cervantes—*Don Quijote*; Calderón—*La Vida es Sueño*.

EXTENSION DIVISION

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

GYLA MACDOWELL, A. M.

A. B. Grove City College; A. M., Columbia University

MRS. HARRY H. WYLIE, A. B.

A. B., Geneva College; University of Chicago

FRENCH

W. C. HUNTER, A. M.

A. B., Princeton University; A. M., Harvard University;
University of Illinois

HISTORY

CLARA E. ROSENGARTEN, A. B.

University of Denver; Columbia University

GERMAN AND SPANISH

LELIA CAMPBELL, A. B.

A. B., Geneva; Johns Hopkins

ENGLISH

Organization. Extension work in the School of Liberal Arts was organized in the Fall of 1916. The same courses are offered as in the regularly organized classes in this School. These courses, when completed satisfactorily, give the same number of credit hours as when taken in the regular classes. During the year 1916-1917 extension classes were conducted in Introductory Psychology, Social Psychology, History of Education, Principles of Secondary Education, German, French, Spanish, Economics, English, Mathematics, and Physics. The courses conducted during 1919-1920 will be determined by the demand. Persons thinking of enrolling in the extension classes should enroll promptly at or before the opening of the First Semester.

Entrance Requirements. The entrance requirements

are the same as for the regular School of Liberal Arts. If the person entering desires to become a candidate for a degree, fifteen units of preparatory work are required. If the person entering wishes to do special work not looking toward a degree, only such units of preparatory work will be required as are necessary to prepare him for taking up the work in the particular subjects which he desires.

Tuition Charges. The tuition charges for work in extension courses will be \$12.00 for a two-hour course and \$15.00 for three- and four-hour courses. Payment of tuition in these courses must be strictly in advance and no refund will be allowed for withdrawal after enrollment has been made.

SUMMER SESSION

The Summer of 1918 was the third year the college has offered an opportunity to take college work during the summer. The work has been successful in every way. This work receives college credit and can be offered as part fulfilment of the requirements for a B. S. or an A. B. degree. It is particularly suited to those who teach during the winter and wish to do some college work during the summer; to high school graduates who wish to begin at once their college course and thus shorten the time necessary to complete it; and to college students who want to make up required work or want to make it possible to graduate in three years.

The summer work, taken in connection with the extension work offered during the regular year in the evenings and on Saturdays, makes it possible even for those not regularly enrolled in college to carry forward continuously throughout the year college work leading to a degree. In this way it becomes possible to secure a college education without losing time from regular employment and a fine opportunity is furnished to those who could not otherwise secure a college education.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French and German is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

FRANCES E. WADDLE, A. M.

Director

Philip, Paris; Barth, Berlin

PIANO, THEORY, HARMONY, AND HISTORY

ELIZABETH D. JOHNSTON, B. S.

B. S., Geneva College

PIANO

EDWARD F. KURTZ

(Formerly of The Pittsburgh Orchestra)

VIOLIN, VIOLA, 'CELLO

ERNEST LUNT

(Director of Pittsburgh Mendelssohn Chorus)

VOICE

ALICE PATTON

VIOLIN

CLARA E. ROSENGARTEN, A. B.

University of Denver; Columbia University

GERMAN AND SPANISH

PIANO

This department is under the direction of Miss Frances E. Waddle, who has had the advantage of study under the best teachers in Europe and America, among whom being Mr. William Sherwood, of Chicago, and Mr. Carl Faelton, director of the New England Conservatory of Music, of Boston, also studying several years under the distinguished teacher, Heinrich Barth, court-pianist to Emperor William of Germany. The year 1911 she spent in study in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddle's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Bessie Johnston, a graduate of Geneva College, class of 1901 (Scientific Course). She was a pupil of Miss Waddle, taking her degree in music in the Mercer Academy and School of Music. Miss Johnston has had six years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSE OF STUDY

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. **Introductory Course.**—This course is open to those who wish to study music, but do not desire to graduate. No previous

knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. Diploma Course.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, Etudes op. 10 and op. 25, Chopin, Kessler, Liszt, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Rules and Regulations.—Bills are payable one-half at the beginning of the term, balance in the middle of term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronouncing him to be the greatest Choral Conductor he had met in his travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading church singers and teachers of Pittsburgh and district being represented as artist pupils and coaching in Concert, Church and Oratoria repertoire. He will teach at Geneva College on Wednesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel Part 1. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel Part 1 and 2. Tone modulation and color, flexibility, staccato, expression and phrasing.

Songs, Cycles and Oratorio Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of ten weeks:

One lesson weekly.....	\$20.00
Two lessons weekly.....	\$40.00

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

Preparatory

Grade A: Position. Simple bowings, legato, staccato, forearm movement, wrist flexibility. Intonation. Finger exercises. Scales, first position, all keys. Selected studies; time rhythm. Hoffman, Wohlfahrt, etc. Easy selections.

Grade B: Wrist development. Special bowings; martele, spiccato. Arpeggio studies. Diminished-seventh chord. Simple double-stopping. Chromatic scales. Intonation. Second, third, fourth, fifth, sixth and seventh positions. Selected studies in all positions. Wohlfahrt, Schoen, Kayser. Selections; sonatinas, students' concertos.

Grade C: Complex wrist exercises. Special bowings; saltato, staccato, Viotti, Kreutzer and Paganini strokes. Trills. Complex finger exercises. Scales two and three octaves. Arpeggios, all keys, from memory. Scales in thirds, sixths, octaves and tenths. Positions reviewed, David school. Selected studies, Mazas, Dont Op. 20 and Op. 24. Selections, sonatas, concertos from memory.

Advanced

Grade 1: Complete technical review. Selected exercises, Sevcik, David, Sauret. Scales in double-stops; thirds, sixths, octaves, tenths. Kreutzer Etudes. Fiorilli Etudes begun. Concertos by Viotti, Kreutzer, Rode. Sonatas, selected compositions.

Grade 2: Special technical studies; harmonics, single, double; left hand pizzicato. Fiorilli Etudes completed. Rode Etudes begun. Concertos by Viotti, Rode, Spohr. Solo sonatas by Corelli. Sonatas by Mozart, Beethoven. Selected composition. Recitals.

Grade 3: Rode Etudes completed. Rovelli Etudes begun. Concertos by Spohr, Wieniawski, Mendelssohn. Sonatas by Beethoven, Grieg, Sinding, Brahms, Franck. Solo sonatas by Haendel, Tartini.

Grade 4: Rovelli Etudes. Gavinies Etudes. Concertos by Vieuxtemps, Mozart, Bach, Bruch. Repertoire.

Post-Graduate

Grade 5: Dont Gradus ad Parnassum. Selected studies from 20 Grandes. Etudes by Sauret. Concertos by Brahms, Saint-Saens, Raff. Repertoire.

Grade 6: Selected studies from the Paganini Etudes. Bach solo sonatas. Concertos by Tschaikowsky, Elgar. Repertoire; modern and contemporary composers.

For graduation the study of piano, harmony, counterpoint, musical history, musical appreciation, musical analysis is required.

For the post-graduate course instrumentation and conducting are required.

Term of ten weeks—one lesson per week.....\$15.00

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
President of the College

M. CAROTHERS McCONAGHA, B. E.
Director

B. E., National School of Oratory; University of Chicago;
University of Michigan
PUBLIC SPEAKING

LELIA CAMPBELL, A. B.
A. B., Geneva; Johns Hopkins
ENGLISH

HARRY H. WYLIE, PH. D.
A. B., Muskingum College; A. M., Harvard University;
Ph. D., University of Chicago
DEBATING AND ORATORY

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 24 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

One lesson per week.....	\$22.00
Two lessons per week.....	\$40.00
Three lessons per week.....	\$60.00
Lessons less than sixteen in number, \$1.50 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation

of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving "impressions * * * correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. **Extempore Speaking.**—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. **Dramatic Expression.**

a. Scene work—original cuttings (ten-fifteen minute length) One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. **Story Telling.**—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. **Literary Interpretation.**

a. Shakespeare—two comedies, two tragedies, two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four lyrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. The Bible—Text: "Vocal and Literary Interpretation of the Bible," Curry.

6. **Excerpt Making.**—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than 3a Drama Expression).

Arranging for full evening recital (about one and one-half hours) a drama or novel.

7. **Recitals.**—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. **Teaching Problems.**—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

NORMAL SCHOOL

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

MRS. HARRY H. WYLIE, A. B.

Department of French

R. C. COLWELL, PH. D.

Department of Mathematics

LELIA CAMPBELL, A. B.

Department of English

DAVID C. LOCKE

Superintendent of Beaver County Schools

FRANK A. BARKLEY

Superintendent of Freedom Schools

WILLIAM DAVIDSON

Assistant Superintendent of Beaver County Schools

A. M. DUNGAN

Supervising Principal of Aliquippa Schools

ADA JACKSON

Freedom High School

BESSIE RUNYAN

Ellwood City Schools

MRS. A. P. HENDRICKS

Teacher of Music

W. A. GENSBEIGLER

Principal of Beaver Falls High School

EMILY SALOMON

Teacher of Drawing in the Ambridge Schools

NORWOOD NELSON

Assistant Superintendent of Beaver County Schools

EARL DAVIS

Supervising Principal of Moon Township Schools

WORK OFFERED

The Summer School of Geneva College was not originally under the direct control of the College, but in recent years has been made an integral part of the regular college organization. The purpose of the Normal School is to afford opportunity for instruction and educational advancement to those desiring certificates to teach. The courses are planned particularly to suit the needs of Pennsylvania teachers. All the branches necessary to secure Provisional, Professional, and Permanent Certificates under the Pennsylvania State Law are offered. The Normal School opens the next Monday after the regular College Commencement and continues for six weeks.

For detailed information concerning the Normal School write for the Bulletin of the Summer School or address inquiries to the Director of the Summer School.

ART DEPARTMENT

This department is in charge of Miss Edwards.

The instruction pursued in this department of the college has for its object systematic training in the practice of art and in the knowledge of its scientific principles.

The elementary stages develops a knowledge of form, the laws of light and shade, color and perspective.

The time required to complete the course depends upon the talent and industry of the student. Students will be advanced as rapidly as the teacher considers advisable.

The college has purchased a new kiln for firing china, which is placed in the studio, so that anyone wishing to take instructions in firing can do so.

The department holds an annual reception and exhibition of pupils' work on the Wednesday of Commencement week.

ORDER OF STUDIES

Charcoal Drawing and Shading from Casts of Geometric Figures and Vases. Proportion—Light and Shade.

Water Color Sketching and Painting from Nature; Outdoor Work. Geneva College is situated in one of the most picturesque alleys of the State, and the opportunities for outdoor sketching are almost unlimited. The studio is within five and ten minute walks to river views of wonderful natural beauty, and the surrounding country furnishes excellent subjects for painting.

China Painting, consisting of a complete course in designing, naturalistic and conventional work, lustre and gold etching. Fine firing a specialty.

All fees in this department are payable to the instruction.

Drawing, 18 lessons, \$8.00. Painting in water colors or china decorating, 75 cents in classes, covering a period of three hours. Private lessons arranged for.

DEGREES AND HONORS CONFERRED

COMMENCEMENT, JUNE 6, 1918

VALEDICTORY.....	Charles Francis Boots
SALUTATORY.....	Thomas C. Billig
HONORABLE MENTION.....	E. May Girvan

Honorary Degrees

Doctor of Divinity.....	Thomas Melville Slater
Doctor of Divinity.....	Robert J. G. McKnight
Doctor of Divinity.....	Thomas Arthur Fowler
Doctor of Divinity.....	Melvin T. Shelford

Bachelor of Arts

Iva J. Allen	Murdick F. Murphy
Ethelwyn Beatty	Mary Lois McBurney
Thomas C. Billig	S. Spurgeon McCracken
Charles F. Boots	May McCracken
Mary A. Bradshaw	Margaret Reynolds
Beulah May Cousins	Nicholas F. Richards
John Edmond Davis	Florence Schumaker
Olive Grace Elliott	Charles E. Stahlman
Bernice Evelyn Gardner	Mary E. Steele
E. May Girvan	Carl Johnson Stringer
Jessie K. Moore	Elizabeth Jane Ward
Clyde Merrilees	Glenn T. Wilson

Bachelor of Science

Thomas E. Elliott

Bachelor of Oratory

Philaphena Arnold	Rosetta Porter
Alberta Ellis	Mary Steele

Bachelor of Music

Cora I. Orr

Certificate in Music

Rosetta Porter

COMMENCEMENT SPEAKER

JOHN H. SNOWDEN, D. D., LL. D.

REGISTER OF STUDENTS, 1918-1919

SCHOOL OF LIBERAL ARTS

SENIORS

Baker, Josephine.....	158 Beaver St., Beaver, Pa.
Cook, Mary.....	1011 Fourth Ave., Beaver Falls, Pa.
Cook, Isabel.....	3212 Fourth Ave., Beaver Falls, Pa.
Cornelius, Grace.....	720 Eighteenth Ave., Beaver Falls, Pa.
Dodds, Miriam.....	3237 Fifth Ave., Beaver Falls, Pa.
Downie, Mary.....	3127 College Ave., Beaver Falls, Pa.
Dougherty, Mary.....	1707 Fourth Ave., Beaver Falls, Pa.
Edie, Lillian.....	239 S. Pitt St., Mercer, Pa.
Galbraith, Eleanor.....	630 Taylor St., New Castle, Pa.
Giffen, Louisa.....	Volant, Pa.
Glasser, Edna.....	Ellwood City, Pa.
Hutchison, Vinette.....	Sterling, Kans.
Jordan, Frank.....	Volant, Pa.
Karcher, Maron.....	214 Washington St., Beaver, Pa.
Kemm, Beulah.....	1006 E. Washington St., New Castle, Pa.
Klingelhoef, Onita.....	Beaver, Pa.
Latimer, Esther.....	Glen Sandfield, Ont., Can.
McConagha, Mrs. Mary.....	Fourth Ave., Beaver Falls, Pa.
Robb, Alice.....	Tak Hing, China
Shaw, Lela.....	Winchester, Kans.
Sheldrake, Mary O.....	1004 Twenty-fifth St., Beaver Falls, Pa.
Sterrett, Alta.....	Clay Center, Kans.
Sheppele, Esther.....	Sixth Ave., Beaver Falls, Pa.
Taggart, Marie.....	1307 Ninth Ave., Beaver Falls, Pa.
Taylor, Marjorie.....	66 S. Euclid Ave., Bellevue, Pa.

JUNIORS

Alford, Gertrude.....	217 Strawberry Alley, New Brighton, Pa.
Finley, Willard.....	R. D. 2, Sparta, Ill.
Forbes, Robert.....	2829 Fourth Ave., Beaver Falls, Pa.
Gilmore, Lawrence.....	814 Carson Ave., La Junta, Colo.
Hunter, Martha.....	2401 Seventh Ave., Beaver Falls, Pa.
Johnstone, Eleanor.....	100 Monitor Ave., Ben Avon, Pa.
Johnston, Harry.....	445 Jackson St., Rochester, Pa.
Lytle, Ethel.....	1021 Eighth Ave., Beaver Falls, Pa.
Mellon, Duane.....	300 Mercer Ave., New Brighton, Pa.
McGranahan, Isabel.....	1302 Corporation St., Beaver, Pa.

Nair, Lillian.....	1123 Eighth Ave., Beaver Falls, Pa.
Patton, Alice.....	Morning Sun, Iowa
Reuf, Reba.....	204 Fourth St., Ellwood City, Pa.
Robb, Remo.....	Tak Hing, China
Ryan, Mary.....	1003 Tenth St., Monessen, Pa.
Schutte, William.....	Beaver Falls, Pa.
Smith, Walter.....	400 Twelfth St., New Brighton, Pa.
Sterrett, Aurilla.....	920 Clarke St., Clay Center, Kans.
Stewart, David.....	Parnassus, Pa.
Swift, Sara.....	146 W. Chelton Ave., Gtn., Philadelphia, Pa.

SOPHOMORES

Acklin, John.....	Parnassus, Pa.
Aikin, Frances.....	Olathe, Kansas
Andrews, Donald.....	250 Beaver St., Beaver, Pa.
Barnes, Jean.....	East Brook, Pa.
Atwell, Loyal.....	626 Eleventh Ave., New Brighton, Pa.
Barr, Marion.....	221 Hilands Ave., Ben Avon, Pa.
Bell, Cecil.....	Mt. Union, Iowa
Bert, Catherine.....	1200 Fourth Ave., Beaver Falls, Pa.
Betz, Beulah.....	500 Connecticut Ave., Rochester, Pa.
Brown, Edith.....	Petrolia, Pa.
Brown, Ruth.....	Renfrew, Pa.
Buckholz, Frank.....	300 Eleventh St., Beaver Falls, Pa.
Conner, Willard.....	R. D. 4, McDonald, Pa.
Curry, Foy.....	Winchester, Kans.
Curry, Eugene.....	Dunavant, Kans.
Dodds, Annetta.....	819 Gertrude St., Beaver Falls, Pa.
Dodds, Mary.....	455 Insurance St., Beaver Falls, Pa.
Girvan, Agnes.....	2326 Seventh Ave., Beaver Falls, Pa.
Giltner, Clifford.....	607 E. Third St., Superior, Nebr.
Golden, Jane.....	Glenfield, Pa.
Hemphill, Maud.....	Olathe, Kans.
Hensleigh, Lillian.....	R. D. 3, Winchester, Kans.
Hoffman, George.....	519 River Ave., Aliquippa, Pa.
Johnston, Helen.....	445 E. Jackson St., Rochester, Pa.
Jordon, Mac.....	R. D. 3, Volant, Pa.
Kerr, Lois.....	1116 Sixth Ave., Beaver Falls, Pa.
Kennedy, Mary.....	3115 College Ave., Beaver Falls, Pa.
Klingelhoef, Harvey.....	Beaver, Pa.
Kraph, Leah.....	Bridge St., Parnassus, Pa.
Lathom, Russel.....	Princeton, Ind.
Leslie, Allurah.....	New Galilee, Pa.
Lutz, James.....	2414 Seventh Ave., Beaver Falls, Pa.

Martin, Hathaway.....	3110 Fifth Ave., Beaver Falls, Pa.
May, Helen.....	Newburgh, N. Y.
Mehaffey, Myrtle.....	Morning Sun, Iowa
Milligan, Mildred.....	617 E. Park St., Olathe, Kans.
McCarroll, George.....	3230 Fourth Ave., Beaver Falls, Pa.
McCarroll, Clyde.....	3230 Fourth Ave., Beaver Falls, Pa.
McIsaac, Robert.....	Rochester Mills, Pa.
McKee, Lola.....	1928 Seventh Ave., Beaver Falls, Pa.
McGown, Jean.....	1000 Fifth Ave., Beaver Falls, Pa.
McGown, John.....	1000 Fifth Ave., Beaver Falls, Pa.
Nagel, Chester.....	Wampum, Pa.
Patterson, Lawrence.....	Bellefontaine, Ohio
Porter, Gladys.....	1321 Fifth Ave., Beaver Falls, Pa.
Purvis, Sara.....	Saxonburg, Pa.
Robb, Margaret.....	Morning Sun, Iowa
Russell, David.....	Delhi, N. Y.
Shaw, Albert.....	Winchester, Kans.
Steele, Frank.....	Beaver Falls, Pa.
Stormont, John.....	227 N. Seminary St., Princeton, Ind.
Temple, Howard.....	Woodlawn, Pa.
Adams, Wilson.....	Murdocksville, Pa.

FRESHMEN

Ague, Robert.....	2300 Eighth Ave., Beaver Falls, Pa.
Aikin, Lois.....	Bellefontaine, Ohio
Aikin, Rosomond.....	Bellefontaine, Ohio
Alexander, Ralph.....	25 South St., Walton, N. Y.
Andrews, Clement.....	250 Beaver St., Beaver, Pa.
Axtell, Ralph.....	R. D. 8, Mercer, Pa.
Baker, James.....	158 Beaver St., Beaver, Pa.
Bailey, Margaret.....	1011 Ninth Ave., Beaver Falls, Pa.
Bailey, Sidney.....	1011 Ninth Ave., Beaver Falls, Pa.
Batto, Earl.....	Rochester, Pa.
Bauer, Walter.....	Chicora, Pa.
Bauer, Stella.....	Chicora, Pa.
Barber, Agnes.....	1220 Fifth Ave., Beaver Falls, Pa.
Boyd, Forrest.....	918 Deely St., Pittsburgh, Pa.
Boucher, Albert.....	Beaverdale, Pa.
Boulding, Charles.....	1913 Centre Ave., Beaver Falls, Pa.
Branstein, Harry.....	1021 Moravai St., New Castle, Pa.
Brenneman, John.....	Portersville, Pa.
Brown, Harry.....	4.....924 Eleventh St., Beaver Falls, Pa.
Carson, Thomas.....	455 Common St., Belmont, Mass.
Carney, Hilda.....	Rochester, Pa.

Conner, Edison.....	1018 Linden Ave., New Kensington, Pa.
Coyne, Thomas.....	919 Deely St., Pittsburgh, Pa.
Clyde, Sara.....	3113 Sixth Ave., Beaver Falls, Pa.
Curry, John.....	Dunavant, Kans.
Davis, Ralph.....	525 Highland Ave., Woodlawn, Pa.
Darragh, Elizabeth, Water St. & Sharon Ave., W. Bridgewater, Pa.	
Dean, Ethel.....	500 Tenth St., Freedom, Pa.
Doig, Russell.....	Walton, N. Y.
Dull, Theodore.....	1024 Main St., Woodlawn, Pa.
Duncan, Curtis.....	R. D. 3, Darlington, Pa.
Edgar, Myra.....	Morning Sun, Ia.
Finley, Clair.....	315 Third St., Chester, W. Va.
Fisher, Vida.....	R. D. 3, Portersville, Pa.
Frederick, Mrs. Dorothy.....	1904 Seventh Ave., Beaver Falls, Pa.
Frick, Merle.....	908 Eleventh St., New Brighton, Pa.
Galbraith, Renwick.....	620 Taylor St., New Castle, Pa.
Garvin, Gladys.....	2431 Seventh Ave., Beaver Falls, Pa.
George, Robert.....	Belle Center, Ohio
Gillespie, Ruth.....	Marissa, Ill.
Green, Calvin.....	1130 Main St., Woodlawn, Pa.
Green, Paul.....	Big Run, Pa.
Griffith, Albert.....	922 Fifth St., New Brighton, Pa.
Grinnen, John.....	Wampum, Pa.
Gustafson, Nelson.....	942 Marshall Ave., New Castle, Pa.
Haible, Leslie.....	813 Eleventh Ave., New Brighton, Pa.
Hamer, Mabel.....	900 Penn Ave., New Brighton, Pa.
Hart, William.....	Chester, W. Va.
Jackson, Arthur.....	5 Main St., New Brighton, Pa.
Jamison, Devere.....	2028 Seventh Ave., Beaver Falls, Pa.
Jones, R. V.....	Vanport, Pa.
Kennedy, Conn.....	3115 College Ave., Beaver Falls, Pa.
Jones, J. P.....	476 Fourth St., Beaver, Pa.
Kildoo, Harold.....	New Castle, Pa.
Laird, Everett.....	New Sheffield, Pa.
Lee, Elizabeth.....	222 W. Front St., Clarinda, Iowa
Lee, Margaret.....	Clarinda, Iowa
Leland, Beatrice.....	1319 Fifth Ave., Beaver Falls, Pa.
Linton, Henry.....	215 Coltart, Pittsburgh, Pa.
Loeffler, Frederick.....	3701 Second Ave., Beaver Falls, Pa.
Lowans, Eileen.....	46 Elm St., Orange, N. J.
Lowans, Lillian.....	46 Elm St., Orange, N. J.
Lutton, Robert.....	New Castle, Pa.
Mannix, Josephine.....	Patterson Heights, Beaver Falls, Pa.
Marcus, Julius.....	Fourth St. and Eighth Ave., Beaver Falls, Pa.

Marshall, Kenneth.....	429 Delaware Ave., Rochester, Pa.
Martsoff, Charles.....	720 Twelfth Ave., New Brighton, Pa.
Merrilees, John.....	Bellefontaine, O.
Metzgar, Earle.....	Fifth Ave., Beaver Falls, Pa.
Milligan, Robert.....	New Richmond, Ohio
Molt, Charles.....	516 Seventeenth St., Beaver Falls, Pa.
McBurney, John.....	Canonsburg, Pa.
McClure, Hyma.....	Morning Sun, Iowa
McCracken, Paul.....	West Sunbury, Pa.
McCreary, Richard.....	Volant, Pa.
McKee, Edrie.....	3 Brighton Place, Beaver Falls, Pa.
McMullen, Hugh.....	Vanport, Pa.
Moggle, D. S.....	New Galilee, Pa.
Moggle, Earl.....	New Galilee, Pa.
O'Neil, Edith.....	Winchester, Kans.
Parsons, Donald.....	Vermont Ave., Rochester, Kans.
Partington, Bernice.....	3015 College Ave., Beaver Falls, Pa.
Patterson, Lois.....	East Brook, Pa.
Pettler, Eugene.....	713 Ninth Ave., Beaver Falls, Pa.
Pearce, Dorothy.....	3115 Fifth Ave., Beaver Falls, Pa.
Payle, Elsie.....	519 Fourteenth St., Beaver Falls, Pa.
Reiber, Clarence.....	East Brook, Pa.
Reader, Donald.....	1719 Fourth Ave., New Brighton, Pa.
Reid, Frazier.....	R. D. 2, Belle Center, Ohio
Rider, George.....	560 Fourth Ave., Freedom, Pa.
Roney, Edna.....	416 Fifth Ave., Beaver Falls, Pa.
Samuels, Newton.....	Beaver Falls, Pa.
Seamon, Edward.....	1801 Thirteenth Ave., Beaver Falls, Pa.
Skog, Carl A.....	934 Bank St., Beaver, Pa.
Smith, Homer.....	1030 Neptune Ave., Chester, W. Va.
Solomon, Alfred.....	1200 Eighth Ave., Beaver Falls, Pa.
Starrett, John.....	Clay Center, Kans.
Storment, Daniel.....	227 Seminary St., Princeton, Ind.
Stratton, Alfred.....	R. D. 2, New Brighton, Pa.
Tallon, John.....	713 Fifteenth St., New Brighton, Pa.
Thel, Caroline.....	219 Main St., Aliquippa, Pa.
Tindal, Albert.....	432½ County Line, New Castle, Pa.
Tippen, Lulu.....	Superior, Nebr.
Tippen, Ethel.....	Superior, Nebr.
Taite, James.....	529 Line Ave., Ellwood City, Pa.
Taite, John.....	529 Line Ave., Ellwood City, Pa.
Tagner, Mildred.....	3808 Fourth Ave., Beaver Falls, Pa.
Talter, Fenton.....	Highland View, Tarentum, Pa.
Talsh, Bertha.....	2412 Seventh Ave., Beaver Falls, Pa.

Ward, Eleanore.....	Freeport, Pa.
Washabaugh, Margaret.....	200 S. Central Ave., Canonsburg, Pa.
Wilson, Hester.....	325 E. Loula St., Olathe, Kans.
Wilson, Arthur.....	Ellwood City, Pa.
Young, Wilmer.....	R. D. 3, Ellwood City, Pa.
Zinke, Frank.....	1318 Virginia Ave., Monaca, Pa.

SPECIAL

Andrews, Ruth.....	Box 262, Enon Valley, Pa.
Anderson, Mary.....	"Westview," Beaver, Pa.
Bridenbaugh, Sara.....	518 Thirty-second St., Beaver Falls, Pa.
Campbell, Mrs. Mary.....	R. D. 3, Coraopolis, Pa.
Carson, Hannah.....	455 Common St., Belmont, Mass.
Maud Cheney.....	Hoopstown, Ill.
Courtney, William.....	Bridge St., W. Bridgewater, Pa.
Elliott, Lloyd.....	Superior, Nebr.
Elder, Newton.....	Darlington, Pa.
Fox, Emil.....	R. D. 1, Edenburg, Pa.
Fraser, William.....	321 West 118th St., New York City, N. Y.
Garver, William.....	New Brighton, Pa.
Gilroy, Howard.....	267 West 126th St., New York City, N. Y.
Jannuzi, Frank.....	810 Third Ave., Beaver Falls, Pa.
Johnston, John T.....	713 Fifteenth St., Beaver Falls, Pa.
Ransom, George.....	3233 Sxth Ave., Beaver Falls, Pa.
Robb, Andrew.....	R. D. 8, Topeka, Kans.
Tillett, David.....	Beaverdale, Pa.

POST-GRADUATE

Girvan, E. May.....	Beaver Falls, Pa.
Porter, Rosetta.....	Enon Valley, Pa.
Roney, Rena.....	1116 Fifth Ave., Beaver Falls, Pa.
Stringer, Carl J.....	Hopedale, Ohio

COLLEGE STUDENTS SUMMER 1918

Cook, Mary A.....	1011 Fourth St., Beaver Falls, Pa.
Cope, Rue Alice.....	2411 Seventh Ave., Beaver Falls, Pa.
Cornelius, Grace Edna.....	720 Eighteenth St., Beaver Falls, Pa.
Davis, Earl.....	Beaver, Pa.
Dougherty, Mary Gerard.....	1707 Fourth Ave., Beaver Falls, Pa.
Duncan, Paul Warren.....	Darlington, Pa.
Dungan, Archie D.....	Aliquippa, Pa.
Gallagher, Gilbert G.....	401 Thirty-fifth St., Beaver Falls, Pa.
Jackson, Ada.....	1401 Fifth Ave., Freedom, Pa.
Klingelhoef, Onita.....	Beaver, Pa.

McConagha, Mrs. Mary.....	3231 Fourth Ave., Beaver Falls, Pa.
McCrum, Jean.....	240 East End Ave., Beaver, Pa.
McGoun, Jean.....	1000 Fifth Ave., Beaver Falls, Pa.
Merrilees, Ellen.....	905 Rush Ave., Bellefontaine, Ohio
Porter, Gladys.....	1321 Fifth Ave., Beaver Falls, Pa.
Runyan, Bessie.....	Ellwood City, Pa.
Stone, Glenda Frances.....	3306 Seventh Ave., Beaver Falls, Pa.

SCHOOL OF MUSIC

PIANO DEPARTMENT

Andrews, Ruth.....	Enon Valley, Pa.
Aiken, Rosamond.....	Bellefontaine, Ohio
Bentley, Jean.....	College Hill, Pa.
Bentley, Louis.....	College Hill, Pa.
Bearer, Mabel.....	Beaver Falls, Pa.
Bauer, Dorothy.....	College Hill, Pa.
Best, Eva.....	College Hill, Pa.
Boyer, Bessie.....	Beaver Falls, Pa.
Bridenbaugh, Sara.....	College Hill, Pa.
Carothers, Rebecca.....	Beaver Falls, Pa.
Carnelly, Theressa.....	College Hill, Pa.
Carnes, Ethel.....	College Hill, Pa.
Clyde, Clara.....	College Hill, Pa.
Carothers, Margaret.....	College Hill, Pa.
Creese, Luella.....	Sewickley, Pa.
Daniels, Esther.....	Beaver Falls, Pa.
Davidson, Mabel.....	College Hill, Pa.
Downie, Jane.....	College Hill, Pa.
Dunn, Mrs. Jane.....	College Hill, Pa.
Fry, Gladys.....	New Brighton, Pa.
Fields, Dorothy.....	College Hill, Pa.
Frazier, Gayle.....	College Hill, Pa.
Gerard, Therina.....	College Hill, Pa.
Goettman, Naomi.....	New Brighton, Pa.
Green, Mildred.....	College Hill, Pa.
Gonnelly, Lucile.....	College Hill, Pa.
Harris, Mildred.....	W. Bridgewater, Pa.
Hays, Evadne.....	College Hill, Pa.
Hays, Mary.....	College Hill, Pa.
Holton, Madolin.....	College Hill, Pa.
Howe, Carolyn.....	College Hill, Pa.
Hamilton, Evelyn.....	College Hill, Pa.
Latts, Mildred.....	Beaver Falls, Pa.

Latts, Jesse.....	Beaver Falls, Pa.
Long, Mabel.....	College Hill, Pa.
McConaughy, Isabel.....	College Hill, Pa.
McDonald, Mary Kate.....	College Hill, Pa.
Morse, Flora.....	Beaver Falls, Pa.
Murray, Frances.....	College Hill, Pa.
Patton, Alice.....	Morning Sun, Iowa
Palmer, Roland.....	Beaver Falls, Pa.
Province, Melva.....	New Brighton, Pa.
Redinbaugh, Margaret.....	College Hill, Pa.
Reece, Martha.....	Beaver Falls, Pa.
Rooney, Charlotte.....	Beaver Falls, Pa.
Snowden, Isabel.....	New Brighton, Pa.
Shannon, Gladys.....	New Galilee, Pa.
Sterrett, Sarah.....	College Hill, Pa.
Shimer, Lela.....	College Hill, Pa.
Smith, Ruth.....	Beaver Falls, Pa.
Starr, George.....	College Hill, Pa.
Shilito, Helen.....	College Hill, Pa.
Simmons, Eleanor.....	College Hill, Pa.
Taggart, Ruth.....	College Hill, Pa.
Troeter, Dorothy.....	College Hill, Pa.
Thomas, Dorothy.....	College Hill, Pa.
Thompson, Vesta.....	College Hill, Pa.
Walter, Fenton.....	Tarentum, Pa.
Washabaugh, Margaret.....	Canonsburg, Pa.
Ward, Mabel.....	College Hill, Pa.
Whittle, Theodore.....	Beaver Falls, Pa.
Walsh, Grace.....	Beaver Falls, Pa.
Wylie, Alice.....	College Hill, Pa.
Wylie, Mrs. H. H.....	College Hill, Pa.
Vannoy, Margaret.....	College Hill, Pa.

VIOLIN

Bentley, Alan.....	Beaver Falls, Pa.
Bentley, L. L.....	Beaver Falls, Pa.
Brown, Eugene.....	Beaver Falls, Pa.
Calhoun, Andrew.....	New Brighton, Pa.
Clarke, Morton.....	Beaver Falls, Pa.
Dalbey, Margaret.....	New Brighton, Pa.
Flinner, Lois.....	Beaver Falls, Pa.
Fields, Morris.....	Beaver Falls, Pa.
Fistell, Harry.....	Beaver Falls, Pa.
Haggart, Kenneth.....	Beaver Falls, Pa.

Hays, Jean.....	Beaver Falls, Pa.
Hickey, Virgil.....	New Brighton, Pa.
Moltrup, Kathryn.....	Beaver Falls, Pa.
Morris, Hartley.....	Beaver Falls, Pa.
McCollough, Effie.....	Beaver Falls, Pa.
Murray, James.....	Beaver Falls, Pa.
McConagha, Isabel.....	Beaver Falls, Pa.
Patton, Alice.....	Morning Sun, Iowa
Pearce, Dorothy.....	Beaver Falls, Pa.
Philip, Bernice.....	Beaver Falls, Pa.
Raye, Wells.....	Beaver Falls, Pa.
Robinson, James.....	Beaver Falls, Pa.
Scheer, Anna Marie.....	Beaver Falls, Pa.
Stern, Thelma.....	Beaver Falls, Pa.
Sweet, Norene.....	New Brighton, Pa.
Trobe, Max.....	Beaver Falls, Pa.
Thumm, Raymond.....	New Brighton, Pa.
Woefel, Norman.....	Beaver Falls, Pa.
Wilkinson, Margaret.....	Beaver Falls, Pa.

VOCAL DEPARTMENT

Andrews, Ruth.....	Enon Valley, Pa.
Bell, Cecille.....	Mt. Union, Iowa
Bradshaw, Mary.....	Rochester, Pa.
Brown, Ruth.....	Renfrew, Pa.
Cook, Mary.....	Beaver Falls, Pa.
Creese, Luella.....	Sewickley, Pa.
Cumpston, T.....	Wampum, Pa.
Garvin, Anna.....	Beaver Falls, Pa.
Jamieson.....	Beaver Falls, Pa.
McClain.....	Beaver Falls, Pa.
Pearce, Alice.....	Beaver Falls, Pa.
Russell, David.....	Delhi, N. Y.
Wilson, Mary.....	Beaver, Pa.
Wilson, Mrs. A. S.....	Beaver, Pa.
Wolf, George.....	Beaver Falls, Pa.

SCHOOL OF PUBLIC SPEAKING

In addition to 56 students who are taking work in the School of Liberal Arts the following private students are enrolled in the School of Public Speaking:

Baker, Josephine.....	Beaver, Pa.
Cornelius, Grace.....	Beaver, Pa.
Conrad, Anna.....	Vanport, Pa.

Denis, Mrs. Emma.....	Aliquippa, Pa.
Flinner, Vernon.....	Beaver Falls, Pa.
Girvan, May.....	Beaver Falls, Pa.
Hoffman, Esther.....	Monaca, Pa.
Kennedy, Elizabeth.....	Beaver Falls, Pa.
Kline, Jane.....	Monaca, Pa.
Latimer, Esther.....	Glen Sanfeld, Ont.
Lavine, Eva.....	Rochester, Pa.
McGranahan, Isabel.....	Beaver, Pa.
McCracken, May.....	West Sunbury, Pa.
McClure, Hyma.....	Winchester, Kansas
Nagel, Chester.....	New Galilee, Pa.
Robb, Margaret.....	Morning Sun, Iowa
Schutte, William.....	Beaver Falls, Pa.
Sheldrake, Mary.....	Beaver Falls, Pa.
Shaw, Lela.....	Winchester, Kansas
Sitler, Edith.....	Zelienople, Pa.
Werts, Hilary.....	Beaver Falls, Pa.

NORMAL STUDENTS, 1918

Ackerman, Frances.....	New Castle, Pa.
Ammon, Myrtle R.....	Industry, Pa.
Bagshaw, Ethel May.....	Woodlawn, Pa.
Barnes, Marie Elizabeth.....	Beaver, Pa.
Beatty, Elsie May.....	Racine, Pa.
Bennet, Nellie.....	Freedom, Pa.
Berkman, Welthia Elizabeth.....	Monaca, Pa.
Berresford, Emily Mary.....	Darlington, Pa.
Beymer, Laura Ethel.....	New Brighton, Pa.
Briggs, Florence.....	New Brighton, Pa.
Brown, Agnes H.	Beaver Falls, Pa.
Buffington, Lillian Esther.....	Beaver, Pa.
Burgett, Sara E.	Beaver, Pa.
Burroughs, Sara Elizabeth.....	Conway, Pa.
Cochran, Mary E.....	Woodlawn, Pa.
Chambers, Nora Irene.....	Hookstown, Pa.
Coene, Margaret Elsie.....	New Brighton, Pa.
Cole, Ina Gae.....	Beaver Falls, Pa.
Craft, Jessie N.....	Beaver Falls, Pa.
Craig, Gertrude.....	Hookstown, Pa.
Craig, Olive Ilene.....	Georgetown, Pa.
Courtney, Mildred Marguerite.....	W. Bridgewater, Pa.
Dawson, Gertrude Sara.....	Smiths Ferry, Pa.
Denny, Violet Lucille.....	Vanport, Pa.

Illinger, Cairy.....	Industry, Pa.
ougherty, Margaret.....	Beaver Falls, Pa.
uncan, Sara Jane.....	Beaver, Pa.
aton, Mary Jane.....	Murdockville, Pa.
lder, Grace Olive.....	Darlington, Pa.
ngle, Pauline E.....	Beaver, Pa.
ennell, Teresa.....	Cannelton, Pa.
elton, Bertha Olive.....	New Brighton, Pa.
ry, Zelda M.....	New Galilee, Pa.
unkhouser, Dollie.....	Beaver Falls, Pa.
arvin, Edna Gertrude.....	Darlington, Pa.
arvin, Gladys.....	Beaver Falls, Pa.
arvin, Florence.....	Darlington, Pa.
lensey, Gladys.....	Aliquippa, Pa.
oehring, Edith Reneta.....	Zelienople, Pa.
old, Jessie May.....	New Castle, Pa.
ordon, Jean R.....	Rochester, Pa.
ormley, M. Lois.....	New Sheffield, Pa.
ormley, Margaret Velma.....	New Sheffield, Pa.
uy, Louise V.....	Wampum, Pa.
all, Mary Esther.....	Wampum, Pa.
amilton, Martha Jean.....	Beaver, Pa.
artford, Thomas Bigger.....	Negley, Ohio
eideger, Bertha Virginia.....	W. Bridgewater, Pa.
ilpert, Emma Magdalena.....	New Brighton, Pa.
ineman, Harriet Zada.....	New Sheffield, Pa.
olman, Susanna Blanche.....	Zelienople, Pa.
olsinger, Hazel Belle.....	Freedom, Pa.
ouk, L. Catherine.....	New Brighton, Pa.
owe, Marian Geneva.....	Freedom, Pa.
oyt, Josephine Franklin.....	Beaver Falls, Pa.
win, Dorothy.....	New Sheffield, Pa.
win, Mary Emma.....	New Sheffield, Pa.
ckson, Edna Hazel.....	Darlington, Pa.
rdan, Elizabeth Marshall.....	Beaver, Pa.
rdan, Rachel Y.....	Beaver, Pa.
ng, Edith Lois.....	Smiths Ferry, Pa.
ncaid, Sylvia.....	Hookstown, Pa.
pepps, Mary Elizabeth.....	Beaver Falls, Pa.
ughlin, Mary Marguerite.....	Hookstown, Pa.
ng, Birdella Maye.....	Hookstown, Pa.
Calmont, Isabell Marie.....	Baden, Pa.
Cowin, Wilda June.....	Darlington, Pa.
Creary, Marie A.....	Monaca, Pa.

McDaniel, Sadie Lee.....	Koppel, Pa.
McGeehan, Eleanor.....	Midland, Pa.
McGeehan, Marie.....	Midland, Pa.
McKinney, Mildred Francis.....	New Galilee, Pa.
Mahaffey, Mrs. Elizabeth J.....	Chester, W. Va.
Mannix, Josephine.....	Beaver Falls, Pa.
Marshall, Mary Mabel.....	New Galilee, Pa.
Martin, Esther Ellen.....	Monaca, Pa.
Mattmiller, B. Adeline.....	Rochester, Pa.
Mennell, Alberta May.....	New Brighton, Pa.
Mennell, Grace A.....	New Brighton, Pa.
Miller, Harriet Marie.....	Murdocksville, Pa.
Morgan, Ethel Maude.....	Murdocksville, Pa.
Nannah, Hazel E.....	Freedom, Pa.
Otto, Gertrude Jean.....	Woodlawn, Pa.
Otto, Mae Agnes.....	Woodlawn, Pa.
Patterson, Margaret Elizabeth.....	Beaver, Pa.
Patterson, Mary Frances.....	Beaver, Pa.
Reader, Mildred Gladys.....	Rochester, Pa.
Rees, Margaret Florence.....	Freedom, Pa.
Ritchie, Nora Amanda.....	Wampum, Pa.
Robertson, Allen William.....	Hookstown, Pa.
Robertson, Raymond O.....	Hookstown, Pa.
Robertson, Idora.....	Wampum, Pa.
Schweikert, Philomene Minna.....	New Castle, Pa.
Shaffer, Amy Viola.....	New Brighton, Pa.
Shaffer, Ruth Elizabeth.....	New Elizabeth, Pa.
Sherman, Mildred.....	Smiths Ferry, Pa.
Slanaker, Ida Mary.....	Hookstown, Pa.
Smith, Della Audrya.....	New Brighton, Pa.
Smith, Mary Isabel.....	Ellwood City, Pa.
Standley, Mary L. Lane.....	Beaver, Pa.
Stevenson, Carolyn Mae.....	New Sheffield, Pa.
Strouse, Lena Irene.....	Murdocksville, Pa.
Stiffey, Agnes.....	Beaver, Pa.
Stone, Glenda Frances.....	Beaver Falls, Pa.
Straeter, Marjorie.....	Rochester, Pa.
Taylor, Essie G.....	Monaca, Pa.
Thomas, Mary.....	Beaver Falls, Pa.
Thomas, Miriam Loree.....	Beaver Falls, Pa.
Todd, Mary Rachel.....	Murdocksville, Pa.
Torrence, Beth.....	Hookstown, Pa.
Tyson, Pearl.....	Darlington, Pa.
Walker, Blanche V.....	Monaca, Pa.

Watson, Minnie.....	Industry, Pa.
Warner, Adah Laurhetta.....	Smiths Ferry, Pa.
Weigle, Alta May.....	Monaca, Pa.
White, Melissa.....	Murdocksville, Pa.
Wiedeman, Alma Evalyn.....	Monaca, Pa.
Wilson, Mary Elizabeth.....	Beaver, Pa.
Winkle, Helen M.....	Monaca, Pa.
Young, Mary Floye.....	Ellwood City, Pa.

ART DEPARTMENT

Mrs. James Sterrett.....	College Hill, Pa.
Mrs. Howard Hamilton.....	Beaver, Pa.
Mrs. Dale Douthitt.....	College Hill, Pa.
Mrs. Harvey Leonard.....	College Hill, Pa.
Miss Thelma Martin.....	Beaver Falls, Pa.
Miss Elsie Rayle.....	Beaver Falls, Pa.
Mrs. George Green.....	College Hill, Pa.
Miss Dorothy Jackson.....	Beaver Falls, Pa.

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Geneva College Bulletin

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JUNE, 1920

VOLUME ELEVEN—NUMBER TWO



CATALOGUE

Announcements for 1920-1921

Register of Faculty and Students for 1919-1920

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Registered as second class matter July 11, 1910, at the Post Office of Beaver Falls, Pa.,
under act of July 16, 1894.

Geneva College comprises the following divisions:

- The School of Liberal Arts,
- The Extension Division,
- The School of Music,
- The School of Public Speaking,
- The Normal School,
- The College Summer Session.

The following publications are issued annually by the College:

- The College Catalogue,
- The Bulletin of the School of Music,
- The Alumni Bulletin,
- The Bulletin of the Normal School.

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CALENDAR

1920

- June 16—Wednesday, Summer Session opens, 9 A. M.
(Normal and College Departments).
July 28—Wednesday, Normal Department closes.
Aug. 10—Tuesday, College Department closes.

* * * * *

- Sept. 15—Wednesday, First Semester begins, 9 A. M.
Nov. 24—Wednesday, Thanksgiving Vacation begins
at 12:00 noon.
Nov. 30—Tuesday, Classes begin at 8 A. M.
Dec. 17—Friday, Christmas Vacation begins at 3:30
P. M.

1921

- Jan. 4—Tuesday, School resumes at 9 A. M.
Jan. 28—Friday, First Semester closes at 3:30 P. M.
Feb. 1—Tuesday, Second Semester begins at 8 A. M.
Mar. 23—Wednesday, Spring Vacation begins at 3:30
P. M.
Mar. 30—Wednesday, School resumes at 8 A. M.
June 3—Friday, Literary Society Reception.
June 5—Sabbath, Baccalaureate Sermon.
June 9—Thursday, Graduation Day.

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(Pupil of Von Kunits and Ysaye)
Violin, Viola, 'Cello

ERNEST LUNT
(Director of Pittsburgh Mendelssohn Chorus)
Voice

*Elected for 1920-21.

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood. Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnston, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: one from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P.

Johnston was elected to the presidency and the college continued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, Dr. W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Dr. Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church and who had served as Secretary of the Board of Trustees for nine years.

CONTROL AND GOVERNMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

The endowment, in connection with the tuition fees, is sufficient to meet the necessary expenses of the college, and the fact that there is a certain definite income relieves from anxiety as to what the attendance will be year by year.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Penna. From the post-office of Beaver Falls the smaller town receives free delivery of mail twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 35,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, Erie & Pittsburgh, and by the Inter-urban Trolley Line.

There are many churches of all denominations in the city, and there is also a free library. The residents of College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten-acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with football field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sandstone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and offices, several rooms used by the departments of Music, Oratory and Christian Associations, together with eight recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the departments of Chemistry and of Biology, the second story by the depart-

ment of Physics and Mathematics. It contains Chemical, Physical and Biological laboratories with storerooms and photographic dark room. The laboratories and class rooms are commodious, well lighted and heated.

McKee Hall. McKee Hall is the residence for women students of the college. The building is two stories high, exclusive of the basement, is lighted by electricity and heated throughout by steam and natural gas. It was entirely remodeled and modernized in 1915.

The average size of the bedroom is 13 by 14 by 9 feet. Each room has a clothes closet, a study table and other necessary furniture; but each girl is expected to provide her own bed linen, window curtains, bureau and washstand covers, towels and napkin ring.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$35,000, was constructed during the year 1910-1911. It was built in honor of the late President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery, furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in

view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes who have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present. There are also held in the College on Sabbath mornings, Bible classes taught by members of the faculty. For one week each year special religious services are held.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each semester as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall insures the wide influence and vital educative force of constant association with one's peers in all the varied activities of under-graduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory. Applications for rooms should be made to the Registrar. A deposit of \$5.00 must accompany each application.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life to-day: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of others; the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings or on the grounds, card playing, dancing, frequenting the theatre and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root them out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are away from home and influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelphean Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening during the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of the

two societies is to give opportunity for training in public speaking, the programs for regular meetings consisting of essays, declamations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school. At the end of the first semester of each year, the Societies hold a contest in essay, debate, oration and declamation.

Christian Associations. The Young Men's and Young Woman's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctly Christian work. While the original idea was to include those who intend to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formulation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very import-

ant place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations. The Glee Club is made up of sixteen men who train under the direction of the Professor of Vocal Music. The tryouts for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department. During the year 1919-20 a Choral Club was organized composed of men and women.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All foot-ball, basket-ball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for inter-collegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as The University of Pittsburgh, Washington and Jefferson, Westminster, Grove City, Thiel, Bethany, Muskingum, and Mt. Union. Six institutions are represented in the Tri-State Oratorical

Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in tryouts open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another examination is made at the close of the year to note the progress made.

Besides the gymnasium class work, various forms of inter-collegiate athletics are carried on under the direction of an experienced athletic coach. Football, baseball, basketball, tennis, and field track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

DEBATING

Opportunities are afforded for systematic training in debating, both in the curriculum and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least four inter-collegiate debates are held each year. Members of the inter-collegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a Student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The purpose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year. The annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class each year shall be members of the Association during the annual business meeting of that year, without payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President, First Vice-President, Second Vice-President, Secre-

tary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association.

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.

2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."

3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

LECTURE COURSE

Frequently the college offers to its students a free lecture course. Local talent, frequently alumni who are in business or professional life, are invited to speak upon some phase of their work. Because of the short distance to Pittsburgh and the excellent train service, it is possible to levy upon the talent of that city. Lectures on

science, politics, literature and other subjects entertain and instruct the college community. A fine projection lantern often makes the lectures most interesting.

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase every year the latest and best volumes on topics old and new, kindred to the studies of the curriculum.

The library is in care of a librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 8:00 A. M. to 12:15 P. M.; 1:30 P. M. to 3:30 P. M.

Three years ago the Geneva College Library was reorganized. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public

libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, has been completed. It contains complete subject, title, and author headings for all the books in the library. For this catalogue, cards were purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets have been installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

The need for additional room for administrative offices and the rapid growth of the library both in number of books and in use by the students forced a change of location. Hence the library was removed from its old quarters and placed in the two large rooms formerly used by the Christian Associations. By removing the partitioning wall these rooms furnished a place of sufficient size and of proper location. The number of volumes in the library was increased by almost three thousand the last year. This increase was made in part by purchase but in large part by donations from friends and alumni.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

A new wireless receiving and sending station has been installed, with all the latest equipment for teaching wireless telegraphy; new psychological maps were purchased; new history maps for all courses were furnished, and a slide cabinet for Art History course.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music, and the degree of Bachelor of Oratory in the School of Public Speaking. The Art Department grants a certificate only and not a degree. The Master's degree is no longer given in course. All other degrees are honoris causa. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelor's degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize, which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students taking Freshman English. The prize is offered through the generosity of the late Hays Euwer, of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1917-1918 the topic was assigned to the Department of Biology. For the year 1918-1919 the topic was assigned to the Department of Chemistry.

4. History Prize, \$30.00. Through the generosity of the late Henry Wallace, LL. D., of Des Moines, Iowa, this prize is offered for the best work done in the Department of History.

5. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late J. Herbert Morton, sometime principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

6. Bible Prize, \$30.00. This prize is offered by a friend for the best work done in the Department of English Bible.

7. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

8. Classics and Modern Language prize, \$15.00. This prize is offered by a friend and is awarded for the best work in the Classics as they are related to Modern Languages and Literature.

9. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the one who represents Geneva in the Tri-State Inter-collegiate Oratorical Contest.

EXPENSES

The following expense account is for a student in the School of Liberal Arts. Students in the other schools may estimate accordingly:

Tuition and Contingent Fee	\$120.00
Athletic Fee	10.00
Incidental Fee	1.00
Library Fee	1.00
	<hr/>
	\$132.00

Dormitory rooms (double) rent for \$10.00 a month. Those on the Hill rent from \$10.00 to \$12.00. This secures all that belongs to a room—light, fuel and care. The boarding is mostly provided for in clubs. Meals in connection with these, ladies and gentlemen eating together, cost about \$6.00 per week. Total expenses for the college year are approximately: Average, \$400; low, \$350; high, \$450.

THE SCHOOL OF LIBERAL ARTS

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

A. B., Geneva College; Columbia University;

D. D., Westminster College

Professor of Political Philosophy

ROBERT CLARKE, A. M., B. D.

A. B., Geneva College; Chicago University;

A. M., Princeton University

Professor of Philosophy

ROBERT C. COLWELL, Ph. D.

A. B., University of New Brunswick and Harvard University;

A. M., University of Chicago; Ph. D., Princeton University

Professor of Mathematics and Physics

M. GYLA MacDOWELL, A. M.

A. B., Grove City College; A. M., Columbia University

Professor of English

HARRY H. WYLIE, Ph. D.

A. B., Muskingum College; A. M., Harvard University;

Ph. D., University of Chicago

Professor of Education

SLOANE C. MARTIN, A. B.

A. B., Geneva College; University of Chicago

Professor of Biology

A. A. JOHNSTON, A. M., B. D.

A. B. Geneva College; A. M., Princeton University;

B. D., Princeton University; University of Edinburgh; University
of Pennsylvania

Professor of Economics and History

M. CAROTHERS McCONAGHA, A. B., B. E.

A. B., Geneva College; B. E., National School of Oratory
University of Chicago; University of Michigan
Professor of Public Speaking

CLARA ROSENGARTEN, A. M.

A. B., University of Denver; University of Berlin; University
of Pennsylvania; A. M., Columbia University
Professor of Spanish and French

ISABELLA STEWART, A. B.

A. B., University of Cincinnati
Professor of French

SAMUEL R. SCHOLES, Ph. D.

A. B., Ripon College; University of Chicago
Ph. D., Yale University
Professor of Chemistry

CHARLES M. LEE, A. M.

A. B., Miami University; A. M., University of Cincinnati
Professor of Ancient Languages

MARY N. PORTER, A. M.

A. B., A. M., University of Michigan
Columbia University
Assistant Professor of English

W. BROWN STERRETT, A. B.

A. B., Geneva College; Pennsylvania State College
Assistant Professor of Chemistry

P. H. BRIDENBAUGH, A. B.

A. B., Franklin Marshall College
Physical Director for Men

EDNA M. GEORGE

Chautauqua School of Physical Education
Director for Women

WILLARD FINLEY
Assistant in Chemistry

JAMES LUTZ
Assistant in Physics

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. One unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

English	3	
Foreign Language	4,	two of which must be in one language.
Mathematics	2	
History	1	
Science	1	
Elective	2	taken from above subjects.
Elective	2,	taken from above subjects, or any subjects which are accepted for graduation in an accredited preparatory or High School in the State from which student comes. The following subjects are excepted:
		Domestic Science
		Manual Training
	—	Stenography
		Bookkeeping
Total	15	

Note I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

Note II. If all four units of foreign language presented are Latin, fourteen (14) hours of one modern language will be required in college.

Note III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 15) usually taken in the Freshman year.

Bible—8 semester hours.

History—6 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 22), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

Group 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, German or Romance Languages	6 hours

Group 2

Latin and Greek	18 hours
Romance Languages or German	12 hours
English, History, Philosophy, Education, Latin, Greek, German or Romance Languages	6 hours

Group 3

Romance Languages or German	18 hours
German, or Romance Languages	12 hours
Latin, Greek, English, History, Philosophy or Education,	6 hours

(Note: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group).

Group 4

Philosophy and Education	18 hours
English, or History and Economics	12 hours
Latin, Greek, German or Romance Languages	6 hours

Group 5

English	18 hours
Latin, Greek, German or Romance Languages	6 hours
Philosophy, Education, History or Economics	6 hours

Group 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, German or Romance Languages	6 hours

Group 7

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education	12 hours
Latin, Greek, German or Romance Languages	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) FOR THE DEGREE OF BACHELOR OF SCIENCE

Group 1

Chemistry	18 hours
Biology, or Physics and Geology	12 hours
Biology, Mathematics or Physics	6 hours

Group 2

Mathematics	18 hours
Biology or Chemistry	12 hours
Biology, Chemistry or Physics	6 hours

Group 3

Biology	18 hours
Chemistry, or Chemistry and Physics	12 hours
Physics or Geology	6 hours

Note: Fourteen hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATIONS, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates or admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty. Entrance conditions will be subject to special arrangements.

V. Grading System.—The standing of a student in his work is indicated by the class in the following scale to which he is assigned:

Class A.—Equivalent to 100 to 95 per cent., or very good.

Class B.—Equivalent to 95 to 90 per cent., or good.

Class C.—Equivalent to 90 to 80 per cent., or fair.

Class D.—Equivalent to 80 to 65 per cent., or passing.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a receipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced.

VIII. Resignation Committee.—Each student is required to meet the Registration Committee at the beginning of each semester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

President R. H. Martin,
Prof. C. M. Lee,
Miss Gyla MacDowell,
Prof. A. A. Johnston,
Dr. Robert C. Colwell.

IX. Limitation of Courses.—No student shall be allowed to carry more than seventeen semester hours without consent of the Faculty.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

FEES

(1) Tuition per semester	\$50.00
(For sons and daughters of clergymen, one-half the regular rate.)	
(2) Contingent fee, per semester	10.00
(3) Chemistry laboratory fee, per semester	5.00
(4) Biology laboratory fee, per semester, from	3.00 to \$5.00
(5) Physics laboratory fee, per semester	3.00
(6) Examination other than regular	1.00
(7) Graduation fee in all departments	5.00
(8) Athletic fee, per semester	5.00
(9) Incidental fee	1.00
(10) Library fee	1.00

SCHOLARSHIPS

Two kinds of scholarships are offered:

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated High Schools in Western Pennsylvania. These scholarships pay all tuition for four years.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each year to deserving students. The value of these scholarships is \$50.00 each, the interest on \$1000.00 for one year. Application blanks may be obtained from the Registrar, Geneva College, Beaver Falls, Pa.

COURSE OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is, however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required.

Two hours a week, first semester.

DEPARTMENT OF BIBLE

The courses in the English Bible are designed to bring the student by approved modern methods to such a degree of familiarity with the Word as will lead him to appreciate its true worth and to use its ethical, philosophical, and sociological teachings in the building up of his view of the world. The Bible is used as the primary text in most of the courses, but a large amount of library work is required. Eight semester hours are required. Except by permission these are to be taken in the basic courses, 15, 16, 17, 18.

15. Old Testament History, I.—Strong emphasis is laid upon the genetics of the Bible. The historical development is followed through the Solomonic period. Two hours, first semester, required.

16. Old Testament History, II.—The period extending from the division of the Kingdom through the Maccabean era to the time of Christ is studied with considerable emphasis upon the ethical and social teaching of the prophets. Two hours, second semester, required.

17. The Life of Christ.—The aim of this course is so to present the Gospels as to give an understanding and appreciation of the important events of Christ's life, of His person, character, and ideals, of the new truths He reveals and of His mission to the world. Two hours, first semester, required.

18. The Apostolic Period.—Attention is given to the rise and growth of the Christian Church, to Paul's missionary journeys, and to the Pauline Epistles as they show the reaction of the Christian teachings upon the Hebrew, Greek, and Roman conceptions of life. Two hours, second semester, required.

19. The Prophetic Literature of the Bible.—An inclusive study of the prophetic elements which in one form or another occupy almost one-half the Scriptures. Sacrificial and personal types are considered together with the predictive literature of the Old and New Testaments. Some study of the history of the nations surrounding Israel is necessarily involved. Three hours, first semester. Elective.

20 a. The Wisdom Literature.—The Wisdom books are considered in their structure and teaching and applied to current philosophical problems. Two hours, first half of the second semester. Elective.

b. The General Epistles.—These are considered in their historical setting with an intensive treatment of one or more of them. Two hours, second half of the second semester. Elective.

21 Seminar on Biblical Problems.—An intensive study of Biblical problems, interpretative, historical, and practical. This course is intended for advanced students. Two hours, first semester. Elective.

22. Biblical Pedagogy.—A study of methods of Bible teaching. Each student is required to do a certain amount of Bible teaching as laboratory work. One hour, second semester. Elective. Not given in 1920-1921.

23. Comparative Religions.—The various religions of the world are considered comparatively as to their history and doctrinal character. This course will be of special value to those interested in missionary problems. Two hours, first semester. Elective. Not given in 1920-1921.

24. Philosophy of Religion.—Whether he intends it or not, everyone has a more or less consistent world-view of which his religion is a vital factor. In this course current religious world-views are analyzed with special emphasis upon that of Christianity. Three hours, second semester. Elective.

DEPARTMENT OF BIOLOGY

The work in this department includes a study of living organism, both plant and animal. The courses are so arranged that work exclusively in either Botany or Zoology can be taken. The aim in all the work is to give the student a comprehensive knowledge of the facts upon which the study of living organisms as a science, is founded. First hand observation and study of plants and animals in the laboratory and in the field is considered equally as important as text book and lecture work. The laboratory is equipped with the latest type of compound microscopes for students' use, dissecting microscopes, sliding and rotary microtomes, paraffin bath, incubator, aquarium, germinators, and other equipment necessary for high grade work in both Botany and Zoology. A special effort is made to impress students in this department with the value of strictly scientific methods so that these courses may serve as a basis for those who wish to do research work in Biology.

21. Introduction to Zoology.—An attempt is made in this course to give the student a thorough working knowledge of the basic principles and concepts of Zoology. The laboratory work includes observations and dissections upon: (1) unicellular types (Amoeba, Paramecium); (2) simple multicellular types (Hydra, Planaria); (3) higher invertebrate types (earth-worm, crawfish, honey bee); (4) a vertebrate type (frog). Emphasis is placed on accurate drawings and notes. Texts—"Introduction to Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory fee, \$3.00. Lectures and recitations, two hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered first semester.

22. Introduction to Botany.—General introduction to the study of Botany including first a study of the root, stem, leaf and seed of flowering plants. Types of the four phyla of plants are then taken up for special study in the laboratory and in the

field. Special stress is laid on the use of the compound microscope and the making of accurate drawing. This course is intended primarily for those who are beginning the study of Botany and is offered along with Course 23 for those who desire one year of general Biology. Text—"The Nature and Development of Plants." Curtis. Laboratory Fee, \$3.00. Lectures and Recitations, 2 hours per week. Laboratory, 2 hours per week. Credit, 3 hours. Offered second semester.

23. Botany, Morphology of Thallophytes and Bryophytes.—This course followed by Course 25 is intended to give the student a thorough knowledge of the structure of all of the most important types of plants. While this is primarily a study of structure and form the work takes in problems of ecology and physiology. Special problems considered are (1) the origin and evolution of sex (2) the origin of stationary plants, (3) parasitism, saprophytism, symbiosis, (4) the origin of distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and the one which follows it. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.50. Prerequisite, Course 22 or its equivalent. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

24. Botany, Morphology of Pteridophytes and Spermatophytes.—The work in this course begins with the study of the ferns, then takes up the translation from the flowerless to the flowering plants, and continues with a detailed study of the form, structure, distribution and ecology types of Angiosperms and Gymnosperms. Special problems considered in this course are (1) advance of the sporophyte and reduction of the gametophyte, (2) appearance of heterospory, (3) spermatogenesis, (4) oogenesis, (5) embryology, (6) Engler's scheme of classification. Local flora will receive special attention. Text—"Textbook of Botany," Coulter, Barnes and Cowles. Laboratory Fee, \$3.50. Prerequisites, Courses 22 and 23 or their equivalents. Lectures and Recitations, 1 hour per week; Laboratory 4 hours per week. Credit, 3 hours. Offered second semester.

25. Invertebrate Zoology.—A detailed study of type forms. Each student dissects about 20 types of invertebrates, making drawings and preserving notes. Emphasis is laid on the comparative study of forms of all the invertebrate phyla from the simplest unicellular types to the most complex invertebrates. This course along with Course 27 which follows it, is arranged for those who will enter medical school and fulfills the condition of the leading medical schools of this country. Text—"College Zoology," Hegner, and "Invertebrate Zoology," Drew. Laboratory Fee, \$4.50. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

26. Vertebrate Zoology.—This course includes detailed discussions and drawings of such types of vertebrates as dog-fish, perch, frog, turtle, lizard, pigeon and cat. Special attention is given to the work on the cat as an example of mammalian anatomy. Text—"College Zoology," Hegner, and "Vertebrate Zoology," Pratt. Laboratory Fee, \$4.50. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Prerequisite, Course 26 or its equivalent. Offered second semester.

27. Animal Histology.—Methods of fixing, sectioning, staining and mounting animal tissues. Microscopic study and drawing of same. Open to those who have had sufficient training in Zoology. No one should register for this course without first consulting the instructor. Textbook—Hill's "Normal Histology." Laboratory Fee, \$5.00. Lecture or Recitation, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

28. Methods in Plant Histology.—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining, and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text—"Methods in Plant Histology," Chamberlain. Laboratory Fee, \$5.00. Lectures and Recitations, 1 hour per week; Laboratory, 4 hours per week. Credit, 3 hours. Offered first semester.

DEPARTMENT OF CHEMISTRY

15. General Inorganic Chemistry.—A first course in Chemistry, intended to give a broad survey of the subject to students majoring in courses other than science. It is also the foundation course for those who will continue in Chemistry. Emphasis is laid on the industrial and every-day applications of the science. Text—Alexander Smith, "General Chemistry for Colleges" Laboratory manual—Smith, "Laboratory Outline of College Chemistry." Two recitations and 4 hours laboratory per week, first semester. Four hours credit.

16. General Inorganic Chemistry.—Continuation of Chemistry 15. Four hours credit, second semester.

17. Advanced Inorganic Chemistry.—Open to students who enter Chemistry for entrance. A review of the subject, covering the laws and theories of general chemistry, with a study of the non-metallic elements. In the laboratory, stress is laid on the quantitative character of reactions. Texts and hours, same as Chemistry 15. First semester.

18. Qualitative Analysis.—A study of the metals and their reactions, from the view-point of the ionic theory. The

separation and identification of the bases and acids is studied in the laboratory. Two recitations and 4 hours laboratory per week, second semester. Four hours credit. Text—Alexander Smith, "General Chemistry for Colleges." Lectures on the theory involved. Laboratory manual—"Qualitative Analysis," Baskerville and Curtman. Prerequisite, Course 15-16 or 17.

20. Quantitative Analysis.—A continuation of Course 19, taking up volumetric methods. Four hours laboratory per week, second semester. Two hours credit.

21. Organic Chemistry.—This is an introductory course, designed for the average student. It also serves for students choosing Chemistry as a career, giving them the fundamentals rather than the details of the chemistry of carbon compounds. Emphasis is placed upon the reactions of typical compounds. Text—Moore, "Outlines of Organic Chemistry." Laboratory manual—Moore. Two recitations and four hours laboratory per week, first semester. Four hours credit. Prerequisite, General Chemistry.

22. Food Chemistry.—Bailey's "Source, Chemistry, and Use of Food Products" is used as a text. The applications of chemistry to the problem of the proper selection and preparation of food form the main theme, with an analytical study of the nutritive values of various foods. In the laboratory, analysis and tests for impurities are made. Two recitations and four hours laboratory per week, second semester. Prerequisite, General Chemistry. Course 21 should also have been taken.

DEPARTMENT OF ECONOMICS

15. Economics.—The principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. These economic principles will then be applied to the problems of labor, immigration, transportation and monopoly. Special attention will be paid to money and banking, government control, labor unionism, and socialism. A text will be used supplemented extensively by lectures and collateral reading.

Both semesters, three hours a week. Open to Sophomores, Juniors and Seniors.

16. Labor Unions.—The background, structure, political activity and transitional stages of labor unions will be studied and discussed. Special emphasis will be placed upon collective bargaining, strikes and the legal aspects of the problem.

Second semester, two hours a week.

DEPARTMENT OF EDUCATION

15. **History of Education.**—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticise our own ideals and methods in the light of these. This course is open to Juniors and Seniors. Advised prerequisite, Psychology 15. Both semesters, 3 hours.

16. **Principles of Secondary Education.**—The scope of secondary education; the underlying factors which should determine character; the organization of secondary education; and the subject matter which should be taught. This course is open to Juniors and Seniors. Prerequisite, after 1920, Education 15. First semester, 3 hours.

17. **School Administration.**—This course aims to cover in a preliminary way the administration of public education in the United States. An attempt is made to state what school administration is, what it has done, and what it ought to accomplish in the future. Second semester, 3 hours.

18. **Practice and Observation Teaching.**—This course is arranged so that each student enrolled will get a minimum of fifty-four hours of actual supervised teaching and fifty-four hours of actual observation during the year. Special arrangements with the Head of the Department must be made by each student taking this course before the school year actually begins. The full year course must be taken. Minimum credit for each semester, 3 hours. Maximum credit for each semester, 6 hours.

19. **Elementary Principles and Methods.**—This course is intended to cover for Elementary work what Course 16 covers for Secondary Education. The scope of Elementary Education, the underlying factors which should determine its character, the organization, the subject matter, and the general principles which should guide in method will be discussed. Second semester, 3 hours.

DEPARTMENT OF ENGLISH

24. **Rhetoric and Composition.**—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Text: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pitkin: Short Story Writing; Pitkin: Studying the Short

Story. Prerequisite: see College Entrance Requirement. Time, 4 hours per week during entire year.

25. **Old and Middle English.**—History of Old and Middle English studied. Reading of Beowulf, Old English Prose and Poetry; Malory's *Mort-d'-Arthur*—Tennyson's *Idylls of the King*; Chaucer's *Canterbury Tales*; Spencer's *Fairie Queen* and Bacon's *Essays*. Fortnightly themes. Texts: Beowulf: Child's translation Old English Prose and Poetry; Cook and Tinker: *Chief Middle Poets*; Jessie Weston: *Canterbury Tales*, MacMillan Edition; *Fairie Queen*, MacMillan Edition; Bacon's *Essays*. Prerequisite, English 24. Time, 3 hours per week, first semester.

26. **Shakespeare.**—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's complete works; Hanly: "Pre-Shakespearean Drama;" Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester.

27 (a) **Milton.**—Study of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, the minor poems and selections from Milton's Prose. Text: Milton's *Poems* (Student's Cambridge Edition); Selections from Milton's Prose; Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, 1 hour per week, first semester.

28. **Dante.**—Study of Dante's *Inferno*, *Purgatorio* and *Paradiso*. Texts: Gardner's *Dante Primer*; Dante's *Divine Comedy*—Longfellow's Translation. Prerequisite, English 24. Time, 1 hour per week, first semester.

29. **Literary Criticism.**—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: *Principles of Literary Criticism*: Winchester. Prerequisite, English 24. Time, one hour per week, first semester.

30 (a). **Classicism and Romanticism.**—Lectures and recitations tracing the Romantic Movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: *The Beginning of the Romantic Movement in the 18th Century*: Phelps. Prerequisite, English 24. Time, 1 hour per week during second semester.

31 (b). *Tennyson and Browning.*—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Student's Cambridge Edition); Phelps: Browning, How to Know Him. Prerequisite, English 24. Time, 1 hour per week during second semester.

32 (c). *American Poets.*—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: Representative American Poets: Percy Boynton. Prerequisite, English 24. Time 1 hour per week during second semester.

33 (a). *Modern Drama.*—Lectures and Readings—Isben, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Galsworthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. 18. Time, 3 hours per week, first semester.

33 (b). *Poetry of To-day in America.*—Richard Watson Gilder, Robert Frost, Walter Bynner, Edwin Arlington, Robinson, William Vaughn Moody, Carl Sandburg, Edgar Lee Masters, Vachel Lindsay, Richard Hoyey, Amy Lowell, Ella Wheeler Wilcox, Sara Teasdale, Allen Seeger, Joyce Kilmer and others. Text: New Voices by Margaret Wilkinson. Prerequisites, English 24, 27, 28, 29 and 30, 31, 32. Time, 1 hour per week. First semester; also second semester.

34 (a). *British Poets of 19th Century.*—A study of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swineburn, Rossetti, Kipling, Service, Noyes, Drinkwater, Rupert Brooke Bridges and other English poets of to-day. Text: British Poets of the 19th Century by C. H. Page. Time, 1 hour per week, second semester.

34 (b) *English Essayists of 19th and 20th Centuries.*—Advanced study, noting biographical, historical, philosophical qualities—the relation of such literature to forces of social life. The work is based on typical essays of Lamb, DeQuincey, Macaulay, Carlyle, Ruskin, Stevenson, Newman, etc. Text: A Book of English Essayists by Winchester. Time, 1 hour per week, second semester. (Given in 1921).

34 (b). Representative American Plays by A. H. Quinn. Historic review of American Drama. Time, 1 hour per week, second semester. (Not given in 1921, but given in 1922).

34. (c) Continuation of 33 (b). Prerequisite, English 24, and 27, 28, 29 and 30, 31, 32. Time, 1 hour per week, second semester.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. Physiography.—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, three hours a week.

16. Historical Geology.—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the work. Geology 15 is a desirable prerequisite. Second semester, three hours a week.

17. Field Geology.—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GREEK

The course in Greek covers four years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul, if acquired in a fair measure, will make it easier for a capable student to find his way through the great books, ideas and art productions of the world. The assistance of Greek in studying the English language, and in scientific terminology is emphasized by study of cognates and derivatives.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation. Wright's "Greek Literature" is a required hand-book in these courses for easy and interesting English reference.

15. Beginner's Course.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman Year, 4 hours.

16. Xenophon and Herodotus.—Parts of one or both authors with special attention to the structure of the Greek language and differences between the Attic and Ionic dialects. Readings from Histories of Greece in English.

First semester of Sophomore year, 3 hours.

17. Homer.—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer.

Second semester of Sophomore year, 3 hours.

18. Plato.—Apology, Crito, Phaedo, Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught after ages the meaning of "reasoned truth." Study of the life of Socrates.

First semester of Junior year, 3 hours.

19. Greek Drama.—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Second semester of Junior year, 3 hours.

20. Greek History.—See department of History.

21. New Testament Greek and Greek Literature.—Selections from Gospels and Epistles. Hellenistic Greek. Connected view through lectures and readings or text-book of the whole course of Greek literature.

First semester, Senior year, 3 hours.

22. An Anthology of Hellenic Poetry.—A survey of lyric verse from the seventh century to the third, from the elegiac, iambic and melic poets.

Second semester, Senior year, 3 hours.

DEPARTMENT OF HISTORY

20. Greek History.—A general survey of the political and social history of Greece with particular attention to the struggle with Persia, the Athenian Empire, the supremacy of Sparta, the Greek colonies, the empire of Alexander, and the Hellenistic period. Lectures, collateral reading and reports. (Offered in 1921-22.)

First semester, 3 hours a week. Instructor, Prof. Lee.

21. Roman History.—A brief study of the life and government of the early Romans, the conquest of Italy and the world, the struggle with Carthage, conditions under republic and empire, Roman provincial government, education and law; the introduction of Christianity, and the division and decay of the empire. Lectures, reading, and reports.

Second semester, 3 hours a week. Instructor, Prof. Lee.

22. English History.—The purpose of this course is to give the student a comprehensive view of English history, to make him acquainted with the life and institutions of the English people to enable him to trace the unity and continuity of America's civilization with that of the mother country, and to furnish a view in true perspective of the place that England has occupied in the political, social, industrial, and intellectual progress of the world. Special attention is given to the social and industrial development of Great Britain, particularly in the twentieth century. Careful study is made of the growth of the British constitution.

Cross' "A History of England and Greater Britain" and Ticknor's "Social and Industrial History of England" were the text books used this year.

First semester, 3 hours a week (Freshman year).

23. American History.—The preceding course in English History prepares the student for an intelligent study in the history of his own land. In this course, while the chief events will be brought clearly into view, special emphasis will be laid on principles and movements, and the student will be led to view his own country in its relation with that of other nations. Special search is made for the unique characteristics of American social and political life.

The text-books used are "The Formation of the Union" by Albert Bushnell Hart and "Division and Reunion" by Woodrow Wilson.

Second semester, 3 hours a week.

24. History of Revolutionary Europe.—This course deals particularly with the history of Europe from 1789 to 1815 but careful study will be made of the important periods leading up to the French Revolution. The intention is not so much to follow the military events of which those years were so full as

to realize the transition from the old to the new that was then going on, and to gather up and impress the permanent results of the Revolution.

First semester, 3 hours a week.

25. Modern Europe.—Beginning with 1815, where the preceding course breaks off, this course continues the study of European history down to the year 1914. The "concert of Europe," the "Balance of Power," and the "Confederation of Europe," are some of the features of this period which will be made prominent. Colonial expansion, the acquisition of territories, and the growing complexities of international relations will be traced throughout the course of the century. Special study will be made of developments leading to the Great War.

The text book used this year is Hazen's "Europe Since 1815."

Second semester, 3 hours a week.

26. Mediaeval History.—This course deals with the most important feature of the Middle Ages, the temporal and spiritual power of the Papacy, the persistence of the imperial idea, the growth of a community of nations, and the current of thought that characterized the period.

Elective, first semester, 2 hours a week.

28. Contemporary American History.—From the beginning of the reconstruction period to the present time. The first part of the course will be occupied primarily with a study of the reconstruction period from 1865 to 1877. The second part of the course will be given to study of the social and industrial development of our country from 1877 to the present day.

The text books used are Dunning's "Reconstruction—Political and Economic" and Paxton's "The New Nation."

Elective, three hours a week, second semester.

30. The Industrial History of the United States.—A brief survey will be made of the political history of our country upon which will be built a detailed study of industrial conditions. The business aspects of colonization, industrial development under British control, our national beginnings, the Revolution the Civil War, the epoch of expansion, contemporary problems, conservation. These subjects will receive special attention. Given 1919-20.

Second semester, two hours a week.

DEPARTMENT OF HISTORY OF ART

15. This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: History of Architecture; Marquand: History of Sculpture; Van Dyke: History of Painting.

Time, 2 hours per week throughout the year.

DEPARTMENT OF LATIN

Four semester courses are offered in Latin and the aim in all is specific preparation for literary, educational and professional life. The editor of the New York Sun said recently that his best proof of the value of classical study was forty years in a newspaper office. Information, social and literary background, power of interpretation and varied expression are sought in a language that gives nearly forty per cent of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts. Mackail's "Latin Literature" is the required handbook for all these courses.

15. Cicero.—*De Amicitia* and *De Senectute*.

Some of the philosophy and ethics of Rome's foremost prose writer.

First semester of Freshman year, 3 hours.

16. Livy.—Selections from the first and third decades of Roman History. The founding of Rome, and the Hannibalic War.

Second semester of Freshman year, 3 hours.

17. Plautus.—*Trinumnus* or *Captivi*. Early and colloquial Latin. Intimate Knowledge of the plain people of the early Republican period of Rome; study of Roman Comedy.

First semester of Sophomore year, 3 hours.

18. Seneca.—*Medea*, *Hercules Furens*, or *Troades*. Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second semester of Sophomore year, 3 hours.

19. Selections from Eight Latin Poets.—An anthology from such writers as Ennius, Catullus, Horace, Ovid, Seneca and Martial studied in chronological order to show the development of Latin Poetry. Some of the Satires of Juvenal will also be read for their realistic picture of Roman Life under the empire. First semester, Junior year, 3 hours.

20. Tacitus.—*Annals*, "The Latin of the Silver Age." A Roman History Source. Second semester, Junior year, 3 hours.

21. **Roman History.**—See Department of History.

22. **Greek Archaeology.**—The contributions the Greeks have made, apart from their writings, to civilization. Their art, science, philosophy and politics in their enduring effect in modern life.

Second semester, Senior year, 3 hours.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself well qualified to teach mathematics in the elementary schools or to continue his work in higher institutions of learning.

15. **Advanced Algebra.**

Three hours a week, first semester.

16. **Trigonometry.**

Three hours a week, second semester.

17. **Analytical Geometry.**

Three hours a week, second semester.

18. **Differential and Integral Calculus.**—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practical problems. Text book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

19. **Differential Equations.**—Equations of the first and second order of linear equations, solutions in series, partial

differential equations, etc. Text book: Cohen's Differential Equations.

Three hours a week, first semester.

20. **Analytic Mechanics.**—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text book: Jean's Analytic Mechanics.

Three hours a week, second semester.

21. **Fouriers Series and Harmonic Functions.**—Development in series, solution of certain partial differential equations. Text book: Byerly's Fouriers Series and Spherical Harmonics.

Three hours a week, second semester.

DEPARTMENT OF PHILOSOPHY

15. **The Problem of Philosophy.**—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Ethics which follow. The work in this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. Text for 1920-21: Paulsen's Introduction of Philosophy; James' Some Problems of Philosophy. This course will be open to Juniors and Seniors.

First semester, 3 hours.

16. **History of Philosophy.**—The aim of this course is to trace the progress of philosophic thought from the Greek period to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. Text for class use: Roger's Student History of Philosophy. Text for applied study: Weber's History of Philosophy, or Cushman's History of Philosophy. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

17. **Logic.**—The general character of the thinking process is taken up; its laws of development are studied and the way thought actually proceeds in the solution of problems. The important methods are considered and tested as to their relative importance and logical validity. Texts: Creighton's Logic; Dewey's How We Think.

First semester, 2 hours.

18. Introductory Ethics.—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's Problems of Conduct. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take 3 periods per week for 18 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. There are two well equipped laboratories: one for general physics and one for advanced electricity. The advanced course in electricity deals with the latest development in radio telegraphy.

1. General Advanced Physics.—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, 3 hours a week, both semesters.

Laboratory Course

The work in this course comprises methods of mathematical demonstration and investigation of the principles of physics and instruction in the use and adjustment of instruments, together with quantitative problems. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Millikan and Mann's *Molecular Physics and Heat*, and Millikan's *Sound, Heat and Electricity*.

Two hours a week throughout the year.

2. Practical Wireless Telegraphy.—The modern instruments of radio telegraphy are studied. Practice is given in commercial sending and receiving. Prerequisite, High School Mathematics.

Lectures and Laboratory, 2 hours a week throughout the year.

3. Theory of Radio Telegraphy.—This is a somewhat advanced course in the theory and use of wireless apparatus. The equations of electric oscillations are taken up. Prerequisite, one year of college mathematics; a knowledge of calculus will prove helpful.

Lectures, 3 hours a week throughout the year.

Laboratory, 2 hours a week throughout the year.

DEPARTMENT OF POLITICAL PHILOSOPHY

15. Political Philosophy.—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God, grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text book, lectures, theses.

Three hours a week, two semesters.

DEPARTMENT OF PSYCHOLOGY

15. **Introductory Psychology.**—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Some text will be required. Both semesters, 3 hours.

16. **Social Psychology.**—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relation of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text, Prerequisite, after 1920, Psychology 15. First semester, 3 hours.

17. **Educational Psychology.**—This course attempts to formulate the general principles which modern Psychology suggests as being of use in guiding educational procedure. Such material as is studied in Courses 15 and 16 is here considered in its pedagogical bearings. Prerequisite, after 1920, Psychology 15 and 16. Second semester, 3 hours.

DEPARTMENT OF PUBLIC SPEAKING.

15. **Principles of Speaking.**—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—co-ordination of mind, voice and body. First semester, 2 hours, required of all Sophomores.

16. **Literary Interpretation.**—The application of the fundamental principles to the interpretation of selections from literature. Second semester, two hours a week required.

17. **Extempore Speaking.**—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, 2 hours a week required.

18. **The Acting drama.**—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational

value, the choice of plays, selecting the cast, rehearsals, stage managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, 2 hours a week.

19. Story Telling.—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, two hours a week.

20. Debate.—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week. Second semester.

21. Debate.—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week.

22. Oration.—The writing and delivering of orations. Training in the criticism and judging of orations. One hour a week. Second semester.

23. Oration.—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week. Second semester.

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed frequently and after the first-year students have acquired a sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15 (a) Elementary French.—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France*, or *Ca et La en France*. Read *La Tache du Petit Pierre*. Throughout the year, 3 hours.

16. Intermediate French.—Reading: Dumas—*Monte Cristo*; Les *Trois Mousquetaires*. Daudet—*Tartarin de Tarascon*. Theuriet—*Bigarreau*. Throughout the year, two hours.

17. Intermediate French.—Grammar review, composition, conversation. Francois French Prose Composition. Open to students who have had French 15, or who have offered two units of French for entrance. Throughout the year, one hour.

18. Modern French Literature.—Rene Bazin—*Les Oberle*. Anatole France—*Le Livre de Mon Ami*; *Le Crime de Sylvestre Bonnard*. Pierre Loti—*Pecheur d'Islande*. Prerequisite, French 16. First semester, two hours.

19. Classical French Drama.—A study of the life and works of Corneille—given in 1919-1920. Lectures in French. Reading: *Le Cid*, *Cinna*, *Polyeucte*, *Horace* and *Britannicus*. Prerequisite, French 18. Second semester, two hours.

21. Classical French Drama.—A study of the life and works of Racine—given in 1920-1921. Lectures in French. Reading: *Athalie*, *Esther*, *Andromaque*, *Phedre*. Prerequisite, French 18. Second semester, two hours.

21. Classical French Drama.—A study of the life and works of Moliere—given in 1921-1922. Lectures in French. Reading: *Les Precieuses Ridicules*, *Le Bourgeois Gentilhomme*, *L'Avare*, *Le Misanthrope*. Prerequisite, French 18. Second semester, two hours.

22. Advanced French Composition.—Grammar review, composition, conversation. Koren French Composition. Prerequisite, French 17. Throughout the year, one hour.

30. Elementary Spanish.—Espinosa and Allen's Spanish Grammar. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Read Turrell's Spanish Reader. Throughout the year, 3 hours.

31. Intermediate Spanish.—Open to students who have completed Course 30. Prose composition: Umphrey. Reading: Galdos—*Marianela*; Valera—*Pepita Jimenez*; Ayala—*Consuelo*; Cervantes—*Don Quijote*; Calderon—*La Vida es Sueno*. Throughout the year, three hours.

EXTENSION DIVISION

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

GYLA MacDOWELL, A. M.

A. B., Grove City College; A. M., Columbia University
English

HARRY H. WYLIE, Ph. D.

A. B., Muskingum College; A. M., Harvard University;
Ph. D., Chicago University
Professor of Education

A. A. JOHNSTON, A. M., B. D.

A. B., Geneva College; A. M., Princeton University; B. D.,
Princeton Seminary; University of Edinburgh;
University of Pennsylvania
Professor of Economics and History

CLARA ROSENGARTEN, A. M.

A. B., University of Denver; University of Berlin
University of Pennsylvania; A. M., Columbia
University

Professor of Spanish and French

MARY N. PORTER, A. M.

A. B., A. M., University of Michigan
Assistant Professor of English

Organization. Extension work in the School of Liberal Arts was organized in the Fall of 1916. The same courses are offered as in the regularly organized classes in this School. These courses, when completed satisfactorily, give the same number of credit hours as when taken in the regular classes. During the year 1919-1920 extension classes were conducted in Introductory Psychology, Social Psychology, History of Education, Principles of Secondary Education, Bible, French, Spanish, Economics, English, and Physics. The courses conducted during 1920-1921 will be determined by the demand. Persons thinking of enrolling in the extension classes should enroll promptly at or before the opening of the First Semester.

Entrance Requirements. The entrance requirements are the same as for the regular School of Liberal Arts.

If the person entering desires to become a candidate for a degree, fifteen units of preparatory work are required. If the person entering wishes to do special work not looking toward a degree, only such units of preparatory work will be required as are necessary to prepare him for taking up the work in the particular subjects which he desires.

Tuition Charges.---The tuition charges for work in extension courses will be \$12.00 for a two hour course per semester, \$15.00 for a three hour course and \$18.00 for a four hour course. Payment of tuition in these courses must be strictly in advance and no refund will be allowed for withdrawal after enrollment has been made.

SUMMER SESSION

The Summer of 1919 was the fourth year the college has offered an opportunity to take college work during the summer. The work has been successful in every way. This work receives college credit and can be offered as part fulfillment of the requirements for a B. S. or an A. B. degree. It is particularly suited to those who teach during the winter and wish to do some college work during the summer; to high school graduates who wish to begin at once their college course and thus shorten the time necessary to complete it; and to college students who want to make up required work or want to make it possible to graduate in three years.

The summer work, taken in connection with the extension work offered during the regular year in the evenings and on Saturdays, makes it possible even for those not regularly enrolled in college to carry forward continuously throughout the year college work leading to a degree. In this way it becomes possible to secure a college education without losing time from regular employment and a fine opportunity is furnished to those who could not otherwise secure a college education.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French and German is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.

President of the College

FRANCES E. WADDLE, A. M.

Director

Philip, Paris; Barth, Berlin

Piano, Theory, Harmony, and History

ELIZABETH D. JOHNTSON, B. S.

B. S., Geneva College

Piano

EDWARD F. KURTZ

(Formerly of The Pittsburgh Orchestra)

Violin, Viola, 'Cello

ERNEST LUNT

(Director of Pittsburgh Mendelssohn Chorus)

Voice

ALICE PATTON

Violin

CLARA ROSENGARTEN, A. M.

University of Denver; University of Berlin; University of Pennsylvania; Columbia University

Spanish and French

PIANO

This department is under the direction of Miss Frances E. Waddle, who has had the advantage of study under the best teachers in Europe and America, among whom are Mr. William Sherwood, of Chicago, and Mr. Carl Faelton, director of the New England Conservatory of Music, of Boston. She also studied several years under the distinguished teacher, Heinrich Bart, of Berlin. She spent one year in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddle's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Elizabeth Johnston, a graduate of Geneva College (Scientific Course). She was a pupil of Miss Waddle. Miss Johnston has had twelve years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSE OF STUDY.

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. **Introductory Course.**—This course is open to those who wish to study music, but do not desire to graduate. No previous knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. Diploma Course.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, Etudes op. 10 and op. 25, Chopin, Kessler, Liszt, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Prizes: A Prize of Ten Dollars will be awarded to the student making the most advancement in Piano work during the year. This prize is given by Mrs. Matilda Richie Fisher (Class of '99), of New Castle.

Rules and Regulations.—Bills are payable the beginning of the term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

RATES

A term consists of ten weeks.

	Lessons per week	
	One	Two
Piano (Primary)	\$ 7.50	\$10.00
" (Intermediate)	10.00	15.00
" With Director (Private)	20.00	35.00
" " " Class (two in class) each,	12.00	20.00
Harmony, in class	5.00	10.00
History of Music	5.00	10.00

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt, of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronounced him to be the greatest Choral Conductor he had met in his travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading church singers and teachers of Pittsburgh and district being represented as artist pupils in Concert, Church and Oratoria. He will teach at Geneva College on Wednesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel, Part 1. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel, Part 1 and 2. Tone modulation and color, flexibility, staccato, expression and phrasing.

Songs, Cycles and Oratoria Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of twelve weeks: One lesson weekly, \$30.00.

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

Preparatory

Grade A: Position. Simple bowings, legato, staccato, forearm movement, wrist flexibility. Intonation, Finger exercises. Scales, first position, all keys. Selected studies; time rhythm. Hoffman, Wohlfahrt, etc. Easy selections.

Grade B: Wrist development. Special bowings; martele, spiccato. Arpeggio studies. Diminished-seventh chord. Simple double-stopping. Chromatic scales. Intonation. Second, third, fourth, fifth, sixth and seventh positions. Selected studies in all positions. Wohlfahrt, Schcen, Kayser. Selections; sonatinas, students' concertos.

Grade C: Complex wrist exercises. Special bowing, saltato, staccato, Viotti, Kreutzer and Paganini strokes. Trills. Complex finger exercises. Scales two and three octaves. Arpeggios, all keys, from memory. Scales in thirds, sixths, octaves and tenths. Positions reviewed, David school. Selected studies, Mazas, Dont Op. 20 and Op. 24. Selections, sonatas, concertos from memory.

Advanced

Grade 1: Complete technical review. Selected exercises, Sevcik, David, Sauret. Scales in double-stops; thirds, sixths,

octaves, tenths. Kreutzer Etudes. Fiorilli Etudes begun. Concertos by Viotti, Kreutzer, Rode, Sonatas, selected compositions.

Grade 2: Special technical studies; harmonics. single, double; left hand pizzicato. Fiorilli Etudes completed. Rode Etudes begun. Concertos by Viotti, Rode, Spohr. Solo sonatas by Corelli. Sonatas by Mozart, Beethoven. Selected composition. Recitals.

Grade 3: Rode Etudes completed. Rovelli Etudes begun. Concertos by Spohr, Wieniawski, Mendelssohn. Sonatas by Beethoven, Grieg, Sinding, Brahms, Franck. Solo sonatas by Handel, Tartini.

Grade 4: Rovelli Etudes. Gavini's Etudes. Concertos by Vieuxtemps, Mozart, Bach, Bruch. Repertoire.

Post-Graduate

Grade 5: Dont Gradus ad Parnassum. Selected studies 20 grades. Etudes by Sauret. Concertos by Brahms, Saint Saens, Raff. Repertoire.

Grade 6: Selected studies from the Paganini Etudes. Bach solo sonatas. Concertos by Tschaikowsky, Elgar. Repertoire; modern and contemporary composers.

For graduation the study of piano, harmony, counterpoint, musical history, musical appreciation, musical analysis is required.

For the post-graduate course instrumentation and conducting are required.

Term of ten weeks—one lesson per week, \$20.00; two lessons per week, \$40.00.

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
President of the College

M. CAROTHERS McCONAGHA, A. B., B. E.
Director
B. E., National School of Oratory; University of Chicago;
University of Michigan
Public Speaking

MARY N. PORTER, A. M.
University of Michigan
English

HARRY H. WYLIE, Ph. D.
A. B., Muskingum College; A. M., Harvard University;
Ph. D., University of Chicago
Debating and Oratory

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 24 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

One lesson per week	\$22.00
Two lessons per week	\$40.00
Three lessons per week	\$60.00
Lessons less than sixteen in number, \$1.50 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving "impressions * * * correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. **Extempore Speaking**.—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. **Dramatic Expression.**

a. Scenc work—original cuttings (ten-fifteen minute length). One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. **Story Telling**.—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. **Literary Interpretation.**

a. Shakespeare—two comedies, two tragedies. two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four yrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. The Bible—Text: "Vocal and Literary Interpretation of the Bible," Curry.

6. **Excerpt Making**.—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than a Drama

Expression). Arranging full evening recital (about one and one-half hours) a drama or novel.

7. **Recitals.**—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. **Teaching Problems.**—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

SUMMER SCHOOL

COLLEGE AND NORMAL DEPARTMENTS

FACULTY

RENWICK HARPER MARTIN, A. B., D. D.
President of the College

CHARLES M. LEE, A. M.
Principal of Summer School

W. C. HUNTER, A. M.
Department of Economics

GYLA MacDOWELL, A. M.
Department of English

ISABELLA STEWART, A. B.
Department of French

DAVID C. LOCKE
Superintendent of Beaver County Schools

FRANK A. BARCKLEY
Principal of Freedom Schools

S. W. LYONS
Superintendent of New Brighton Schools

JONAS C. WAGNER
Superintendent of Beaver Schools

E. D. DAVIDSON
Assistant County Superintendent

R. S. HOOD
Assistant County Superintendent

A. D. DUNGAN
Principal of Aliquippa Schools

EARL DAVIS
Supervising Principal of Moon Township Schools

R. H. EDGAR
Principal of Conway School, Teacher of Music

EMILY SALOMON
Teacher of Drawing in Woodlawn Schools

FRANCES WADDLE
Director of Music

EDWARD F. KURTZ
Violin

BESSIE JOHNSTON
Piano

DEGREES AND HONORS CONFERRED

COMMENCEMENT, JUNE 12, 1919.

Valedictory M. Louisa Giffen
 Salutatory Leah Edna Glasser
 Honorable Mention Mary Dougherty and Grace Cornelius

Honorary Degree

Doctor of Divinity Harry H. Crawford

Bachelor of Arts

Josephine Baker	Leah Edna Glasser
Mary Cook	Marian Elizabeth Karcher
Isabel Jane Cook	Beulah Belle Kemm
Grace Cornelius	Onita Klingelhoef
Miriam Elizabeth Dodds	Esther Margaret Latimer
Mary Lydia Downie	Mary McConagha
Mary Gerard Dougherty	Elizabeth Alice Robb
Lillian B. Edie	Alta Margaret Sterrett
Eleanore S. Galbreath	Marie Taggart
Mary Louisa Giffen	Marjorie Agnes Taylor

Bachelor of Science

Lela Blanche Shaw	Vinette Elizabeth Hutcheson
	Frank F. Jordan

Bachelor of Oratory

Mary Oswald Sheldrake

Certificate in Music

Gladys Shannon

COMMENCEMENT SPEAKER

REV. J. RICHIE SMITH, D. D.

REGISTER OF STUDENTS, 1919-1920

SCHOOL OF LIBERAL ARTS

SENIORS

Alford, Gertrude	New Brighton, Pa.
Armstrong, Anna	Morning Sun, Iowa
Bell, Wm. P.	Hilliards, Pa.
Boyd, George	8th Ave., Beaver Falls, Pa.
Brown, Ruth	Renfrew, Pa.
Duncan, Leonard	New Galilee, Pa.
Finley, Willard	R. F. D. 2 Sparta, Ill.
Forbes, Robert	College Hill, Beaver Falls, Pa.
Gilmore, Lawrence	814 Carson Ave., LaJunta, Colo.
Henderson, Marie	Morning Sun, Iowa
Hunter, Martha	7th Ave., Beaver Falls, Pa.
Johnstone, Eleanor	100 Monitor Ave., Ben Avon, Pa.
Johnston, Harry	445 Jackson St., Rochester, Pa.
Jordan, Paul	Volant, Pa.
Joseph, Raymond	Hopkinton, Iowa
Kraus, Lawrence	Ellwood City, Pa.
Leslie, Allurah	New Galilee, Pa.
Lytle, Ethel	1021 Eighth Ave., Beaver Falls, Pa.
Martin, Mary	Blanchard, Iowa
Martin, Donald	5th Ave., Beaver Falls, Pa.
Mathews, Clifford	Sparta, Ill.
Mellon, Duane	300 Mercer Ave., New Brighton, Pa.
McKelvey, Easson	Beaver Falls, Pa.
McKim, Wm.	College Hill, Beaver Falls, Pa.
Nair, Lillian	1123 Eighth Ave., Beaver Falls, Pa.
Nagel, Chester	Wampum, Pa.
Patton, Alice	Morning Sun, Iowa
Reuf, Reba	204 Fourth St., Ellwood City, Pa.
Ryan, Mary	1003 10th St., Monessen, Pa.
Schutte, Wm.	Beaver Falls, Pa.
Smith, Walter	5th Ave., Beaver Falls, Pa.
Terrett, Aurilla	920 Clark St., Clay Center, Kansas
Terrett, Fife	College Hill, Beaver Falls, Pa.
Swift, Sarah	Philadelphia, Pa.
Tomasson, Lena	Beaver Falls, Pa.

JUNIORS

Atwell, Loyal	Beaver Falls, Pa.
Birken, Francis	Olathe, Kansas
Barnes, Jean	East Brook, Pa.
Bell, Cecile	Mt. Union, Iowa
Bert, Catherine	1200 4th Ave., Beaver Falls, Pa.
Betz, Beulah	500 Connecticut St., Rochester, Pa.
Babeen, Mary	Blanchard, Iowa
Carson, Hannah	455 Common St., Belmont, Mass.

Conner, Willard	McDonald, Pa.
Curry, Eugene	Dunavant, Kansas
Curry, Foy	Dunavant, Kansas
Davis, Vera Fay	Princeton, Ind.
Dodds, Anetta	Beaver Falls, Pa.
Johnston, Helen	Rochester, Pa.
Girvan, Agnes	7th Ave., Beaver Falls, Pa.
Golden, Jane	Glenfield, Pa.
Hensleigh, Lillian	Winchester, Kansas
Jackson, Arthur	5 Main St., New Brighton, Pa.
Keys, May	Winchester, Kansas
Kennedy, Mary	College Ave., Beaver Falls, Pa.
Kohr, Eunice	1435 Commercial Ave., Superior, Neb.
Lutz, James	2414 Seventh Ave., Beaver Falls, Pa.
Lyons, Helen	1022 Clay St., Topeka, Kansas
McGoun, Jean	1000 5th Ave., Beaver Falls, Pa.
McGoun, John	1000 5th Ave., Beaver Falls, Pa.
McIsaac, Robert	Rochester Mills, Pa.
McCarroll, George	College Hill, Beaver Falls, Pa.
McCarroll, Clyde	College Hill, Beaver Falls, Pa.
Martin, Hathaway	5th Ave. College Hill, Beaver Falls, Pa.
Milligan, Mildred	617 E. Park St., Olathe, Kansas
Mitchell, James	Mosgrove, Pa.
Patterson, Lawrence	Belle Center, Ohio
Porter, Gladys	1321 5th Ave., Beaver Falls, Pa.
Robb, Margaret	Morning Sun, Iowa
Robb Remo	College Hill, Beaver Falls, Pa.
Robb, George	Quinter, Kansas
Russell, David	Delhi, N. Y.
Temple, Howard	Woodlawn, Pa.

SOPHOMORE

Aiken, Lois	R. F. D. 4 Bellefontaine, Ohio
Aiken, Rosamond	R. F. D. 4 Bellefontaine, Ohio
Alexander, Ralph	Walton, N. Y.
Armstrong, David	Morning Sun, Iowa
Axtell, Ralph	R. F. D. 8 Mercer, Pa.
Baker, James	R. F. D. 3 Beaver Falls, Pa.
Boliver, T. E.	Beaver Falls, Pa.
Carson, Floyd	Oakdale, Ill.
Clyde, Sarah	3113 6th Ave., Beaver Falls, Pa.
Cummings, Everett	Morning Sun, Iowa
Curry, John	Dunavant, Kansas
Darragh, Martha	West Bridgewater, Pa.
Davis, Earl	Beaver, Pa.
Davidson, Eben	Beaver, Pa.
Dugan, Archie	Aliquippa, Pa.
Edgar, Myra	Morning Sun, Iowa
Elliott, Lloyd	Superior, Neb.
Fisher, Vida	Portersville, Pa.
Galbreath, Renwick	New Castle, Pa.
George, Robert	R. F. D. 2 Belle Center, Ohio
Gillespie, Ruth	Marissa, Ill.

Harvey, Mabel	1103 10th St., New Brighton, Pa.
Harr, John L.,	2902 5th Ave., Beaver Falls, Pa.
Harrett, Leon	483 Virginia Ave., Rochester, Pa.
Kennedy, Conn	College Ave., Beaver Falls, Pa.
Lathom, James	Princeton, Ind.
Lee, Margaret	222 W. Grant St., Clarinda, Iowa
Lee, Elizabeth	222 W. Grant St., Clarinda, Iowa
Leland, Beatrice	1305 Third Ave., Beaver Falls, Pa.
McKeeffer, Fred	3701 2nd Ave., Beaver Falls, Pa.
Lowans, Lillian	Orange, N. J.
Lowans, Eileen	Orange, N. J.
McClure, Hyma	Mediapolis, Iowa
McBurney, John	Canonsburg, Pa.
McCracken, Paul	West Sunbury, Pa.
McCreary, Richard	Volant, Pa.
McMullen, Hugh	Vanport, Pa.
Marcus, Louis	8th Ave., Beaver Falls, Pa.
May, Helen	R. F. D. 4 Newburgh, Pa.
Mehaffy, Myrtle	Morning Sun, Iowa
Miller, Fred	Sparta, Ill.
Milne, Wm. A.	Rochester, Pa.
Noggle, Seeley	New Galilee, Pa.
Molt, Chas.	Beaver Falls, Pa.
O'Neil, Edith	Winchester, Kansas
Partington, Bernice	College Hill, Beaver Falls, Pa.
Patton, Elda	Sterling, Kansas
Patterson, Lois	East Brook, Pa.
Pearce, Dorothy	3115 5th Ave., Beaver Falls, Pa.
Rayle, Elsie	Beaver Falls, Pa.
Runyan, Bessie	Ellwood City, Pa.
Runyan, Willa	Ellwood City, Pa.
Reed, Eleanor	236 Langley St., Pittsburgh, Pa.
Samuels, Newton	927 7th Ave., Beaver Falls, Pa.
Self, Mrs. Sarah	Beaver Falls, Pa.
Skoog, Albert	Conway, Pa.
Steele, Frank	Stafford, Kansas
Sterrett, John	Clay Center, Kansas
Stormont, Daniel	Princeton, Ind.
Thel, Caroline	Aliquippa, Pa.
Tippen, Waldo	R. F. D. 4 Miltonville, Kansas
Ward, Eleanor	Crafton, Pa.
Washabaugh, Margaret	Canonsburg, Pa.
White, Paul	Winchester, Kansas

FRESHMAN

Ague, Robert	Beaver Falls, Pa.
Anderson, Charles	426 Houston St., Montgomery, Ala.
Allison, Paul	Kulpmont, Pa.
Baird, J. H.	Morning Sun, Iowa
Baird, R. W.	Morning Sun, Iowa
Barnes, Eleanor	East Brook, Pa.
Bloom, Bernhard	Rochester, Pa.

Boucher, Ford	Beaverdale, Pa.
Bruce, Ralph	Beaver Falls, Pa.
Boulding, Charles	Beaver Falls, Pa.
Calhoon, Eliza Harriett	New Brighton, Pa.
Carson, Marietta	Eskridge, Pa.
Clark, Ellen	231 Washington Ave., Charleroi, Pa.
Clyde, Grace	Beaver Falls, Pa.
Cole, Charles	Beaver, Pa.
Copeland, Martha	Blanchard, Iowa
Cumberland, Lucile	Karns City, Pa.
Cummings, Margaret	Morning Sun, Iowa
Cunningham, Elizabeth	New Brighton, Pa.
Daubenspeck, Paul	Bruin, Pa.
Davis, Donald	Bruin, Pa.
Davis, Margaret	Darlington, Pa.
Davidson, Eben D.	222 Insurance St., Beaver, Pa.
Dungan, Archie	Box 22 Aliquippa, Pa.
Dull, Theodore	1023 Main St., Woodlawn, Pa.
Duncan, Clarence	New Galilee, Pa.
Edgar, Alvin	R. F. D. 2 Morning Sun, Iowa
Edgar, Robert	Beaver, Pa.
Elliott, Leonard	R. F. D. 3 Superior, Nebraska
Ewing, Sarah	233 W. Madison St., Rochester, Pa.
Farmer, Francis	103 Seventh St., Beaver Falls, Pa.
Fash, Vincengo	Freedom, Pa.
Fleming, Donald	917 Bank St., Beaver Falls, Pa.
Forney, Earl	Rea, Pa.
Foster, Hazel	305 W. 29th St., New York, N. Y.
Fry, Zelda	New Galilee, Pa.
Fredericks, Mrs. Dorothy	Beaver Falls, Pa.
Galton, Jessie	R. F. D. 2 Beaver Falls, Pa.
Gatti, Carrie	New Galilee, Pa.
Garvin, Gladys	Beaver Falls, Pa.
Grant, Hazel	Beaver Falls, Pa.
Griffiths, A. F.	New Brighton, Pa.
Haley, W. H.	Washington, Pa.
Hamilton, Pearl	R. F. D. 1 Karns City, Pa.
Hawk, Raymond	835 4th Ave., Beaver Falls, Pa.
Hays, Mary	4th Ave., Beaver Falls, Pa.
Henning, Elizabeth	516 Pine St., Birmingham, Mich.
Hoon, Helen	126 Market St., Mercer, Pa.
Hosack, Gentry	Belle Center, Ohio
Hutchison, Alford	Beaver Falls, Pa.
Jackson, Frances	Enon Valley, Pa.
Jarrett, Leon	483 Virginia Ave., Rochester, Pa.
Kent, Grace	Beaver Falls, Pa.
Latto, Harry A.	600 6th St., Beaver Falls, Pa.
Lytle, Agnes	8th Ave., Beaver Falls, Pa.
Martin, Thelma	Beaver Falls, Pa.
Magee, Frances	1000 11th St., New Brighton, Pa.
Manley, Calvert R.	551 12th Ave., New Brighton, Pa.
Marshall, George	Delaware Ave., Rochester, Pa.
Marquis, Laura	444 Market St., Beaver, Pa.

Meckling, Sophia	Ellwood City, Pa.
Medley, Fern	11th Ave., Beaver Falls, Pa.
Miller, Flora Margaret	3617 Fourth Ave., Beaver Falls, Pa.
Miller, Mary	Adamsburg, Pa.
Miller, T. E.	R. F. D. 5 Mercer, Pa.
Michael, Mrs. Olive	Beaver, Pa.
Morrison, Miss	Beaver Falls, Pa.
McComb, Milton P.	Baldwin, Ill.
McElwain, Margarita	Rose Point, Pa.
McHaffie, E. G.	Georgetown, Pa.
McIsaac, Archibald	Rochester Mills, Pa.
McKelvey, Ralph H.	Hetherton, Mich.
McKim, Dorothy	Ellwood City, Pa.
McKnight, J.	Beaver Falls, Pa.
McLaren, Carl	478 Lincoln Ave., Beaver, Pa.
Nicely, Verne	Beaver Falls, Pa.
Newell, Mr.	New Castle, Pa.
Pangburn, G. S.	Beaver Falls, Pa.
Patterson, Cameron	Baldwin, Ill.
Patton, Elda	Sterling, Kansas
Pearce, Alice	5th Ave., Beaver Falls, Pa.
Pollins, J. W.	Greensburg, Pa.
Rank, Emma	915 4th Ave., Beaver Falls, Pa.
Reader, Donald	Patterson Heights, Beaver Falls, Pa.
Reader, Mildred	Beaver Falls, Pa.
Robb, Melville B.	Quinter, Kansas
Rodgers, Ruth V.,	R. F. D. 20 Jackson Center, Pa.
Russell, George	701 5th Ave., New Brighton, Pa.
Schaulberger, Leonard	Rochester, Pa.
Schmunk, Bruce	640 4th St., Beaver, Pa.
Scott, Charles E.	1120 6th Ave., Beaver Falls, Pa.
Sahle, Sigsbee	Beaver Falls, Pa.
Slocum, Margaret E.	Beaver Falls, Pa.
Shafer, Amy	Beaver Falls, Pa.
Stewart, Annie	Beaver Falls, Pa.
Stewart, George	Batavia, Ohio
Snodgrass, Catherine	1421 Seventh Ave., Beaver Falls, Pa.
Stanton, Elmer	Greenville, Pa.
Steele, Anna	Stafford, Kansas
Stolowitz, Louis	Beaver, Pa.
Stormont, Lytle	Princeton, Ind.
Thompson, Martha	Canonsburg, Pa.
Thompson, Wm. McConaghy	Mercer, Pa.
Tomasson, Margaret	Beaver Falls, Pa.
Wallis, Helen	New Brighton, Pa.
Wells, Sarah	1817 Penn Ave., New Brighton, Pa.
Whiteside, Elizabeth	1385 5th Ave., Beaver Falls, Pa.
Willson, Erma	Morning Sun, Iowa
Willson, Leslie	Morning Sun, Iowa
Wright, Charles L.	1016 Tenth Ave., New Brighton, Pa.
Uptograph, Eugene ..	Beaver, Pa.
Wolf, J. R.	West Newton, Pa.
Zahnizer, Helen	Mercer, Pa.

SPECIAL STUDENTS

Caldwell, T.	New Brighton, Pa.
Garver, Wm.	Beaver Falls, Pa.
Gilroy, Howard	267 W. 126th St., New York, N. Y.
Hays, Milford	Mediapolis, Iowa
Houston, Harold	Beaver Falls, Pa.
Mai, Fred J.	Beaver Falls, Pa.
Thomas, George	Beaver Falls, Pa.
Ranson, George	Beaver Falls, Pa.
Shoemaker, Charles	
Wallace, Mary	Beaver Falls, Pa.

POST GRADUATE

Karcher, Marian	Beaver, Pa.
Porter, Rosetta	Enon Valley, Pa.

COLLEGE STUDENTS—SUMMER 1919

Bell, W. P.	R. F. D. 52 Hilliards, Pa.
Conrad, Anna	Vanport, Pa.
Davidson, Eben D.	Beaver, Pa.
Davis, Earl	Beaver, Pa.
Duncan, Carl	Darlington, Pa.
Dungan, Archie	Aliquippa, Pa.
Garvin, Gladys	2431 7th Ave., Beaver Falls, Pa.
Hood, Ralph S.	1208 9th Ave., Beaver Falls, Pa.
Jackson, A. J.	5 Main St., New Brighton, Pa.
Leslie, Allurah	New Galilee, Pa.
Marcus, Louis	Beaver Falls, Pa.
Michael, Mrs. Olive	142 Taylor Ave., Beaver, Pa.
Nair, Lillian	1123 8th Ave., Beaver Falls, Pa.
Patton, Alice	Morning Sun, Iowa
Porter, Rosetta	Enon Valley, Pa.
Reader, Gladys	Rochester, Pa.
Samuel, Newton	Beaver Falls, Pa.
Skoog, Carl	Conway, Pa.
Sweeney, Paul	New Castle, Pa.
Thel, Caroline	Aliquippa, Pa.
Tomasson, Lena	Beaver Falls, Pa.
Edgar, Robert	Beaver, Pa.

SCHOOL OF MUSIC

Piano Department

Andrews, Ruth	Beaver, Pa.
Bauers, Dorothy	Beaver Falls, Pa.
Bauers, Mildred	Beaver Falls, Pa.
Beal, Geraldine	Beaver Falls, Pa.
Bedore, Bernadette	College Hill, Beaver Falls, Pa.
Bentley, Jeanne	College Hill, Beaver Falls, Pa.

Best, Eva	College Hill, Beaver Falls, Pa.
Brant, May	College Hill, Beaver Falls, Pa.
Brigham, Ruth	College Hill, Beaver Falls, Pa.
Carnelly, Theressa	College Hill, Beaver Falls, Pa.
Carothers, Margaret	College Hill, Beaver Falls, Pa.
Craig, Hazel	College Hill, Beaver Falls, Pa.
Demorest, Miss	College Hill, Beaver Falls, Pa.
Downie, Jane	College Hill, Beaver Falls, Pa.
Dunn, Mrs. Jane	College Hill, Beaver Falls, Pa.
Edwards, Alice	College Hill, Beaver Falls, Pa.
Eicholtz, Marie	Beaver Falls, Pa.
Frazier, Gayle	College Hill, Beaver Falls, Pa.
Fistell, Tillie	Beaver Falls, Pa.
Fistell, Mary	Beaver Falls, Pa.
Garvin, Thomas	Beaver, Pa.
Goeltmann, Naomi	New Brighton, Pa.
Gonnelly, Jean	College Hill, Beaver Falls, Pa.
Gonnelly, Lucile	College Hill, Beaver Falls, Pa.
Goodman, Wellington	Beaver Falls, Pa.
Green, Mildred	Beaver Falls, Pa.
Grim, Luella	New Brighton, Pa.
Gropp, Elsie	Homewood, Pa.
Haltom, Madolin	College Hill, Beaver Falls, Pa.
Hamilton, Louise	Beaver Falls, Pa.
Harvey, Blanch	New Brighton, Pa.
Harris, Mildred	West Bridgewater, Pa.
Hays, Evadne	College Hill, Beaver Falls, Pa.
Henning, Elizabeth	Birmingham, Mich.
Huff, Vergene	Beaver Falls, Pa.
Hunter, Ruth	Rochester, Pa.
Hunter, Margaret	Rochester, Pa.
Hoffman, Mr.	Beaver Falls, Pa.
Huston, Ina	Negley, Ohio
Jackson, Jennie	Ellwood City, Pa.
Jerson, Miss	Beaver Falls, Pa.
Kennedy, Mary	College Hill, Beaver Falls, Pa.
Koach, Elma	New Brighton, Pa.
Krapp, Mildred	Beaver Falls, Pa.
Latto, Jessie	Beaver Falls, Pa.
Latto, Mildred	Beaver Falls, Pa.
Leech, Josephine	College Hill, Beaver Falls, Pa.
Littell, Dorothy	College Hill, Beaver Falls, Pa.
Lyons, Virginia	East Palestine, Ohio
McConagha, Isabel	3014 College Ave., Beaver Falls, Pa.
McCormick, Alma	College Hill, Beaver Falls, Pa.
McClane, Alice	College Hill, Beaver Falls, Pa.
McDaniels, Ruth	Rochester, Pa.
McDonald, Clara	Birmingham, Mich.
McDonald, Mary Kate	Beaver Falls, Pa.
Martin, Hathaway	College Hill, Beaver Falls, Pa.
Mellor, Mary Bell	Rochester, Pa.
Metheny, Margaret	Beaver Falls, Pa.
Mecklana, Arthur	Beaver Falls, Pa.

Myers, Leah	Beaver Falls, Pa.
Michael, Clara	College Hill, Beaver Falls, Pa.
Miller, Elizabeth	College Hill, Beaver Falls, Pa.
Nicholas, Helen	Beaver Falls, Pa.
Palmer, Roland	Beaver Falls, Pa.
Palmer, Gregory	Beaver Falls, Pa.
Partington, Bernice	College Ave., Beaver Falls, Pa.
Patton, Alice	Morning Sun, Iowa
Pearce, Dorothy	College Hill, Beaver Falls, Pa.
Porter, Gladys	Beaver Falls, Pa.
Poucher, Sara	Beaver Falls, Pa.
Ramsey, Margaret	New Brighton, Pa.
Redinbaugh, Margaret	College Hill, Beaver Falls, Pa.
Rosenkeimer, Margaret	College Hill, Beaver Falls, Pa.
Roney, Charlotte	Beaver Falls, Pa.
Richards, Dorothy	Beaver Falls, Pa.
Schaal, Lela	Beaver Falls, Pa.
Shillito, Helen	College Hill, Beaver Falls, Pa.
Scherer, Elizabeth	Beaver Falls, Pa.
Shimer, Lela	College Hill, Beaver Falls, Pa.
Shimer, Leta	College Hill, Beaver Falls, Pa.
Shuckrum, Joe	Beaver Falls, Pa.
Shugert, Louise	Rochester, Pa.
Snodgrass, Emma	Rochester, Pa.
Sterrett, Sarah	College Hill, Beaver Falls, Pa.
Strommer, Harold	Beaver, Pa.
Telford, Margaret	Beaver Falls, Pa.
Troeter, Dorothy	Beaver Falls, Pa.
Wagner, Mildred	Beaver Falls, Pa.
Wagner, May	Beaver Falls, Pa.
Walsh, Grace	Beaver Falls, Pa.
Ward, Mabel	Beaver Falls, Pa.
Wright, Irene	Beaver Falls, Pa.
Woods, Hazel	Beaver Falls, Pa.
Walker, Inez	Beaver Falls, Pa.
Washabaugh, Margaret	Canonsburg Pa.
Williams, Mrs. L. L.	Racine, Pa.
Wylie, Mrs. H. H.	Beaver Falls, Pa.
Vannoy, Margaret	Beaver Falls, Pa.
Zittsman, Georgia	Beaver Falls, Pa.

VIOLIN DEPARTMENT

Allison, Roy	New Galilee, Pa.
Anderson, Thomas	New Brighton, Pa.
Bentley, L. L.	Beaver Falls, Pa.
Brown, Eugene	Beaver Falls, Pa.
Calhoon, Andrew	New Brighton, Pa.
Conley, Clara	Beaver Falls, Pa.
Dalbey, Margaret	New Brighton, Pa.
Darbey, William	Beaver Falls, Pa.
Douds, Ned	Beaver Falls, Pa.
Fisher, David	Beaver Falls, Pa.

Fields, Morris	Beaver Falls, Pa.
Flinner, Lois	Beaver Falls, Pa.
Ginsberg, Harry	Beaver Falls, Pa.
Gonnely, Beatrice	Beaver Falls, Pa.
Hays, Jean	Beaver Falls, Pa.
Haggart, Kenneth	Beaver Falls, Pa.
Hickey, Virgil	New Brighton, Pa.
Keefer, Gladys	New Brighton, Pa.
Klown, Myrtle	Baden, Pa.
Lenox, Howard	Beaver Falls, Pa.
Mitchell, James	Mosgrove, Pa.
Murray, James	Beaver Falls, Pa.
Madden, James	New Brighton, Pa.
Miller, Carl	Beaver Falls, Pa.
Morris, Bartley	Beaver Falls, Pa.
McCollough, Effie	Chicora, Pa.
Murphy, Joseph	New Brighton, Pa.
Patton, Alice	Morning Sun, Iowa
Pearce, Dorothy	Beaver Falls, Pa.
Phillis, William	Beaver Falls, Pa.
Porter, John	Enon Valley, Pa.
Redinbaugh, Sherwood	Beaver Falls, Pa.
Rippen, Paul	New Brighton, Pa.
Robinson, James	Beaver Falls, Pa.
Schramm, Lloyd	New Brighton, Pa.
Stern, Thelma	Beaver Falls, Pa.
Ward, Delores	Beaver Falls, Pa.
Woefel, Norman	Beaver Falls, Pa.
White, John	Beaver Falls, Pa.
Wolfson, Harry	Beaver Falls, Pa.
Venzer, Harry	Beaver Falls, Pa.

VOCAL DEPARTMENT

Bell, Cecile	Mt. Union, Iowa
Bert, Catherine	Beaver Falls, Pa.
Ewing, Sarah	Rochester, Pa.
Henning, Elizabeth	Birmingham, Mich.
Bell, William P.	Hilliards, Pa.
Conner, Willard	McDonald, Pa.
Duncan, Claience	New Galilee, Pa.
Joseph, Raymond	Hopkinton, Iowa
McBurney, John	Canonsburg, Pa.
Ransom, George	Beaver Falls, Pa.
Sterrett, Fife	Beaver Falls, Pa.
Stormont, Daniel	Princeton, Ind.
Wolf, G., Jr.	Beaver Falls, Pa.

DEPARTMENT OF PUBLIC SPEAKING

In addition to 69 students who are taking Public Speaking in the School of Liberal Arts the following students are enrolled as private students in the above department:

Aiken, Rosamond	Bellefontaine, Ohio
Brown, Melba	Beaver Falls, Pa.
Cabeen, Mary	Beaver Falls, Pa.
Carey, Margaret	Beaver Falls, Pa.
Flinner, Vernon	Beaver Falls, Pa.
Hamilton, Pearl	Karns City, Pa.
Henderson, Marie	Morning Sun, Iowa
Lee, Margaret	Clarinda, Iowa
Leland, Beatrice	Beaver Falls, Pa.
Lytle, Robert	Beaver Falls, Pa.
Martin, Hathaway	College Hill, Beaver Falls, Pa.
Martin, Mary	Beaver Falls, Pa.
Mathews, Clifford	Beaver Falls, Pa.
Miller, Mary	Greensburg, Pa.
McClure, Hyma	Morning Sun, Iowa
Nair, Lillian	Beaver Falls, Pa.
Nagel, Chester	New Galilee, Pa.
O'Neil, Edith	Winchester, Kansas
Robb, Margaret	Morning Sun, Iowa
Schutte, Wm.	Beaver Falls, Pa.
Thel, Caroline	Beaver Falls, Pa.
White, Paul	Winchester, Kansas

NORMAL STUDENTS, 1919

Allison, Esther	Hookstown, Pa.
Ammon, Mary E.	Industry, Pa.
Anderson, Olive	Beaver, Pa.
Bagshaw, Ethel May	1306 McMinn St., Woodlawn, Pa.
Barnes, Maria	616 Corporation St., Beaver, Pa.
Baur, Margaret	Rochester, Pa.
Beal, Lena	Hookstown, Pa.
Berkman, Welthia	1609 Va. Ave., Monaca, Pa.
Berresford, Emily	Darlington, Pa.
Beymer, Laura	1324 5th Ave., New Brighton, Pa.
Boyd, Esther	New Sheffield, Pa.
Braden, Harold	Georgetown, Pa.
Briggs, Florence	801 Tenth St., New Brighton, Pa.
Brown, Flora	Sewickley, Pa.
Brunton, Ruth	1099 Turnpike St., Beaver, Pa.
Buffington, Lillian	Beaver, Pa.
Burgett, Sarah	Beaver, Pa.
Burkhart, Helen	919 Indiana Ave., Monaca, Pa.
Burroughs, Sarah E.	Conway, Pa.
Cable, Josephine	445 New York Ave., Rochester, Pa.
Caldwell, Maude	R. F. D. 1 New Brighton, Pa.
Couch, Alice	1703 4th Ave., New Brighton, Pa.
Clyde, Eva B.	Beaver Falls, Pa.
Coene, Margaret	New Brighton, Pa.
Conley, Eva	Mars, Pa.
Courtney, Mildred	West Bridgewater, Pa.
Craig, Gertrude	Hookstown, Pa.
Craft, Jessie	Beaver Falls, Pa.

Crider, Leola	Evans City, Pa.
Crusher, Bertha	Ellwood City, Pa.
Denney, Violet	Vanport, Pa.
Dickey, Margaret	301 Third Ave., New Brighton, Pa.
Dillinger, Carrie	Industry, Pa.
Dougherty, Margaret	Beaver Falls, Pa.
Duncar, Sara Jane	Beaver, Pa.
Eakin, Edith	Darlington, Pa.
Eaton, Mary	Murdocksville, Pa.
Elder, Grace	Darlington, Pa.
Elm, Esther	Shippingpost, Pa.
Edmond, Matilda	Mildand, Pa.
Engle, Pauline	Beaver, Pa.
Farrar, Mary	738 Bank St., Beaver, Pa.
Fennel, Teresa	Cannelton, Pa.
Funkhouser, Olive	Beaver Falls, Pa.
Gamble, Francis	Midland, Pa.
Garvin, Edna	Darlington, Pa.
Garvin, Gladys	Beaver Falls, Pa.
Garvin, Mary	Darlington, Pa.
Glenn, Florence	Hookstown, Pa.
Glensey, Gladys	Aliquippa, Pa.
Goehring, Edith	Zelienople, Pa.
Gonneley, Lois	New Sheffield, Pa.
Gonnely, Sarah	Beaver Falls, Pa.
Goshorn, Isabel	Monaca, Pa.
Green, Mina	1130 Main St., Woodlawn, Pa.
Grosman, Nettie	397 Pennsylvania Ave., Rochester, Pa.
Haldeman, Clara	Hookstown, Pa.
Hamilton, Marie	Beaver, Pa.
Heideger, Bertha	West Bridgewater, Pa.
Hilpert, Emma	New Brighton, Pa.
Hineman, Zada	New Sheffield, Pa.
Houlette Henrietta	Rochester, Pa.
Howe, Marion	Freedom, Pa.
Hoyt, Josephine	Beaver Falls, Pa.
Hoffman, Martha	Koppel, Pa.
Inglefield, Mary	Murdocksville, Pa.
Irwin, Anna D.	New Sheffield, Pa.
Jasper, Martha	Beaver Falls, Pa.
Jordan, Elizabeth	Beaver, Pa.
Jordan, Rachel	1177 Third St., Beaver, Pa.
Kiefer, Zona	R. F. D. 2 Hookstown, Pa.
Klingelhofer, Faye	Dutch Ridge Road, Beaver, Pa.
Krepps, Mary	Beaver Falls, Pa.
Kress, Beulah	Rochester, Pa.
Laughlin, Ida	Georgetown, Pa.
Laughlin, Mary	Georgetown, Pa.
Lawrence, Kathlyn	Beaver, Pa.
Lyons, Armenia	Hookstown, Pa.
Mateer, Lois	898 Ind. Ave., Monaca, Pa.
Mathey, Sarah I.	Ellwood City, Pa.
Mennell, Grace	New Brighton, Pa.

Miller, Anna	Murdocksville, Pa.
Morgan, Elizabeth	Freedom, Pa.
Morgan, Ethel	Murdocksville, Pa.
Morlan, Mary	Rogers, Ohio
Morrison, Catherine	Ellwood City, Pa.
McCalmont, Isabel	Baden, Pa.
McClain, Gladys	1710 4th Ave., Beaver Falls, Pa.
McConnell, Alice	Murdocksville, Pa.
McCowin, Wilda	Darlington, Pa.
McCullough, Ellen	1299 Virginia Ave., Monaca, Pa.
McDanel, Sadie	Koppel, Pa.
McGaffie, Ethel	R. F. D. 2 Beaver Falls, Pa.
McKim, Hazel	R. F. D. 2 Wampum, Pa.
McKim, Marie	R. F. D. 2 Wampum, Pa.
McWilliams, Emma	Vanport, Pa.
Nannah, Hazel	145 6th Ave. Freedom, Pa.
Nickle, Artie	Hookstown, Pa.
Otto, Gertrude	113 Temple St., Woodlawn, Pa.
Otto, Agnes.....	113 Temple St., Woodlawn, Pa.
Patterson, Margaret	439 College Ave., Beaver, Pa.
Pearce, Alice	3115 5th Ave., Beaver Falls, Pa.
Pervine, Lillian	2921 College Ave., Beaver Falls, Pa.
Pinkerton, Grace	Freedom, Pa.
Price, Margaret	West Bridgewater, Pa.
Rambeau, Catherine	Shippingport, Pa.
Ramsey, Gladys	Hookstown, Pa.
Reader, Gladys	436 Vermont Ave., Rochester, Pa.
Rees, Margaret	495 11th St., Freedom, Pa.
Reese, Mildred	Monaca, Pa.
Robertson, Allen	Hookstown, Pa.
Royer, Andria	757 Grove Ave., New Brighton, Pa.
Shaffer, Amy	554 10th Ave., New Brighton, Pa.
Shaffer, Sylvia	Enon Valley, Pa.
Sheehan, Annie	241 Hopewell Ave., Aliquippa, Pa.
Sheerer, Helen	R. F. D. 1 Smiths Ferry, Pa.
Smith, Della	R. F. D. 2 New Brighton, Pa.
Smith, Mary	R. F. D. 3 Ellwood City, Pa.
Stevenson, Carolyn	R. F. D. 3 New Sheffield, Pa.
Steuer, Marie	R. F. D. 3 New Sheffield, Pa.
Stone, Glenda	3306 Seventh Ave., Beaver Falls, Pa.
Stroeter, Marjorie	409 Connecticut Ave., Rochester, Pa.
Swearingen, Dorothy	Hookstown, Pa.
Swearingen, Mary	R. F. D. 1 Georgetown, Pa.
Swearinger, Rachel	R. F. D. 1 Hookstown, Pa.
Thomas, Miriam	3600 6th Ave., Beaver Falls, Pa.
Thornburg, Elsie	Murdocksville, Pa.
Torrence, Beth	Hookstown, Pa.
Torrence, Emma	Hookstown, Pa.
Waddington, Ella, R. F. D. 2	Bridge St. Road, Beaver Falls, Pa.
Wagner, Bonnylin	Beaver Falls, Pa.
Warner, Ada	Smiths Ferry, Pa.
Wells, Aileen	Enon Valley, Pa.
Weigle, Alta	Monaca, Pa.

Whitesell, Mildred	Salina, Pa.
White, Melissa	516 Main St., Coraopolis, Pa.
Wiedman, Alma	Monaca, Pa.
Wilson, Hazel	Zelienople, Pa.
Wothrow, Helen	Glenwillard, Pa.
Wright, Mary	Rochester, Pa.
Wright, Russell	Harmony, Pa.
Young, Elsie	Hookstown, Pa.

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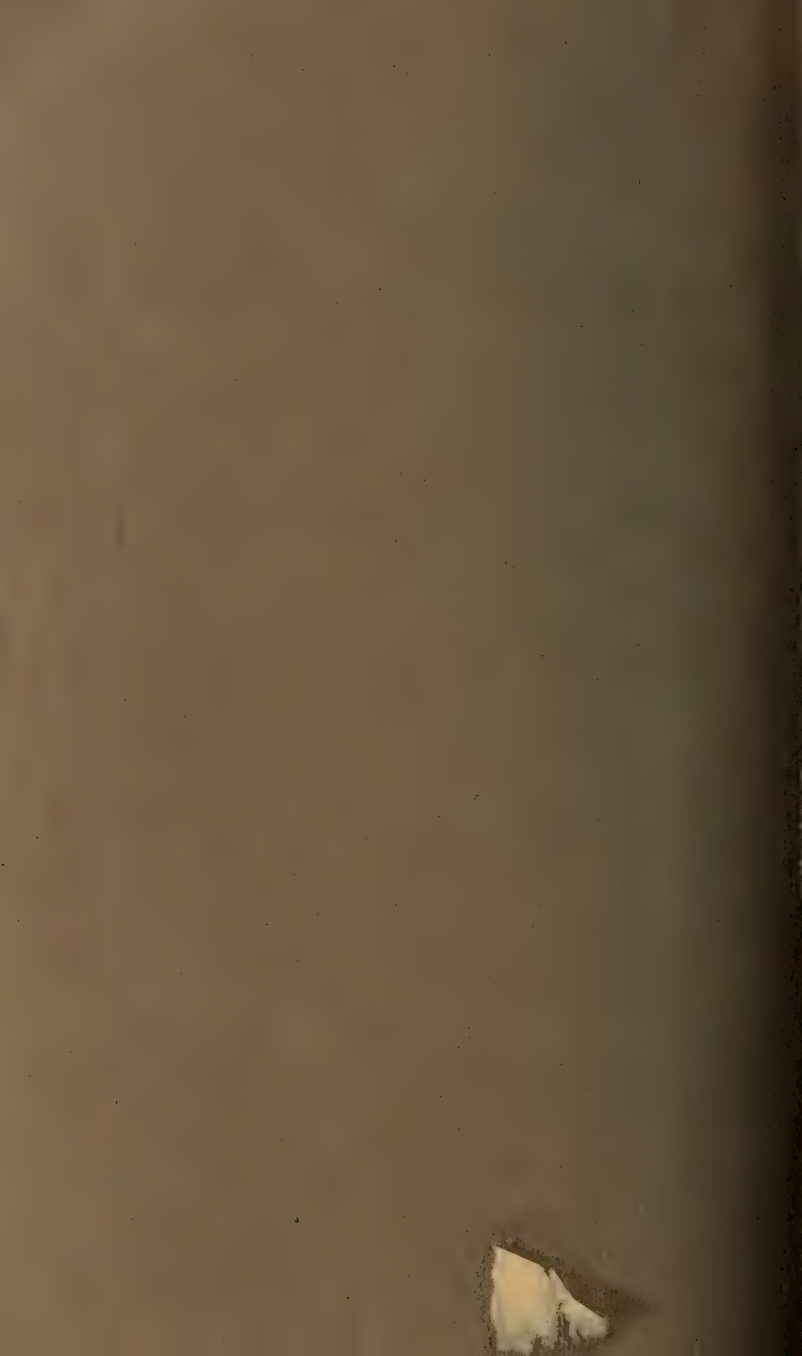
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Geneva College Bulletin

JANUARY, 1921

UNIVERSITY OF ILLINOIS LIBRARY
VOLUME TWELVE—NUMBER ONE



CATALOGUE

Announcements for 1921-1922

Register of Faculty and Students for 1920-1921

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.,
AND ISSUED QUARTERLY

Geneva College comprises the following divisions:

The School of Liberal Arts,
The Extension Division,
The School of Music,
The School of Public Speaking,
The Normal School,
The College Summer Session.

The following publications are issued annually by the College:

The College Catalogue,
The Bulletin of the School of Music,
The Alumni Bulletin,
The Bulletin of the Normal School.

Geneva College Bulletin

JANUARY, 1921

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CATALOGUE

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CALENDAR

1921

June 20—Monday, College Department Summer Session opens, 9 A. M.

June 20—Monday, Normal Department opens.

Aug. 19—Friday, College Department closes.

Aug. 19—Friday, Normal Department closes.

* * * * *

Sept. 14—Wednesday, First Semester begins, 9. A. M.

Nov. 23—Wednesday, Thanksgiving Vacation begins at 12:00 noon.

Nov. 29—Tuesday, Classes begin at 8 A. M.

Dec. 16—Friday, Christmas Vacation begins at noon.

1922

Jan. 3—Tuesday, School resumes at 9 A. M.

Jan. 27—Friday, First Semester begins at 8 A. M.

Jan. 31—Tuesday, Second Semester begins at 8 A. M.

April 12—Wednesday, Spring Vacation begins at 3:30 P. M.

April 19—Wednesday, School resumes at 8 A. M.

June 2—Friday, Literary Society Reception.

June 4—Sabbath, Baccalaureate Sermon.

June 8—Thursday, Graduation Day.

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BOARD OF CORPORATORS

REV. J. C. McFEETERS, D. D.....	President
REV. ALEXANDER KILPATRICK, D. D.....	Vice President
REV. ROBERT PARK.....	Secretary
JAMES S. TIBBY.....	Treasurer

MEMBERS ELECTED BY SYNOD

D. H. ELLIOTT, 1923.....	Denver, Col.
JAMES S. TIBBY, 1921.....	Pittsburgh, Pa.
JAMES A. McATEER, 1922.....	Pittsburgh, Pa.

MEMBERS CHOSEN BY PRESBYTERIES

REV. W. G. ROBB, 1923.....	Iowa
REV. J. M. COLEMAN, 1923.....	Illinois
REV. J. G. McELHINNEY, 1923.....	Kansas
REV. R. HARGRAVE, D. D., 1921.....	Ohio
REV. R. J. G. McKNIGHT, D. D., Ph. D., 1921.....	Pittsburgh
REV. W. J. McKNIGHT, 1921.....	New York
REV. T. M. SLATER, D. D., 1921.....	Pacific Coast
REV. F. E. ALLEN, 1921.....	Central Canada
REV. THOMAS McFALL, 1922.....	Nova Scotia and New Brunswick
REV. J. C. McFEETERS, D. D., 1922.....	Philadelphia
REV. W. J. SANDERSON, 1922.....	Rochester
REV. S. E. GREER, 1922.....	Colorado

MEMBERS CHOSEN BY BOARD OF CORPORATORS

REV. T. H. ACHESON, D. D., 1923.....	Pittsburgh, Pa.
REV. G. M. ROBB, 1923.....	Quinter, Kan.
REV. F. M. WILSON, D. D., 1923.....	Philadelphia, Pa.
JAMES D. McANLIS, 1923.....	Beaver Falls, Pa.
REV. A. KILPATRICK, D. D., 1921.....	Valencia, Pa.
Rev. E. K. Patton, 1921.....	Winchester, Kansas
REV. R. C. WYLIE, D. D., LL. D., 1921.....	Pittsburgh, Pa.
REV. J. B. WILSON, 1921.....	Wilkinsburg, Pa.
GEORGE McKEE, 1921.....	Pittsburgh, Pa.
REV. J. S. MARTIN, D. D., 1922.....	Beaver Falls, Pa.
REV. J. R. WYLIE, D. D., 1922.....	Beaver Falls, Pa.
REV. ROBERT PARK, 1922.....	Parnassus, Pa.
J. H. McBURNEY, 1922.....	Canonsburg, Pa.

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A. M., University of Chicago; Ph. D., Princeton University
Professor of Mathematics and Physics

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A. B., University of Denver; University of Berlin; University of
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Seminary; A. M., University of Wisconsin; University
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A. B., Earlham College; A. M., University of Chicago
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HENRY C. THOMPSON, B. S. in C. E.
B. S. in C. E., Bucknell University
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ELIZABETH D. JOHNSTON, B. S.
B. S., Geneva College
Assistant in Piano

EDWARD F. KURTZ
(Formerly of The Pittsburgh Orchestra)
(Pupil of Von Kunits and Ysaye)
Violin, Viola, 'Cello

ERNEST LUNT
(Director of Pittsburgh Mendelssohn Chorus)
Voice

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood, Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnston, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: one from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P. Johnston was elected to the presidency and the college con-

tinued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, Dr. W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Dr. Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church and who had served as Secretary of the Board of Trustees for nine years. Prof. A. A. Johnston was appointed Acting President in the Summer of 1920.

CONTROL AND GOVERNMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

The endowment, in connection with the tuition fees, is sufficient to meet the necessary expenses of the college, and the fact that there is a certain definite income relieves from anxiety as to what the attendance will be year by year.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Penna. From the post-office of Beaver Falls the smaller town receives free delivery of mail twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 35,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, Erie & Pittsburgh, and by the Beaver Valley Traction Line.

There are many churches of all denominations in the

city, and there is also a free library. The residents of College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten-acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with foot-ball field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sand-stone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and offices, several rooms used by the departments of Music, Oratory and Christian Associations, together with eight recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the department of Chemistry and of Biology, the second story by the department of Physics and Mathematics. It contains Chemical, Physical and Biological laboratories with store-rooms and photographic dark room.

The laboratories and class rooms are commodious, well lighted and heated. Wireless equipment has been installed.

McKee Hall. The New Dormitory for Women is the gift of Mrs. M. E. McKee. The native sandstone of which it is constructed was quarried from the hill a few yards from where the building stands. It is Old English design with red tile roof and is fire-proof throughout.

The basement contains the main and private dining rooms, kitchen, provision rooms, with rest room and sleeping rooms for help.

The main floor contains the Dean's suite, Social room with large open fire place, private writing room in addition to students' rooms. The laundry and trunk rooms are on the fourth floor.

The students' rooms are arranged in suites of two with bath room between. The clothes closets in the rooms are large and spacious.

McKee Hall, including heating and lighting, is modern in every detail. It will accommodate 86 women. It is one of the finest, as well as one of the prettiest college dormitories in the country.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$35,000, was constructed during the year 1910-1911. It was built in honor of the late President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery, furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes who have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present. There are also held in the College on Sabbath mornings, Bible classes taught by members of the faculty. For one week each year special religious services are held.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each semester as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall insures the wide influence and vital educative force of constant association with one's peers in all the varied activities of under-graduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life to-day: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of others; the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings or on the grounds, card playing, dancing, frequenting the theater and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root these out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are away from home influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelpic Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening of the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of these two societies is to give opportunity for training in public speaking, the

programs for regular meetings consisting of essays, declamations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school. At the end of the first semester of each year, the Societies hold a contest in essay, debate, oration and declamation.

Christian Associations. The Young Men's and Young Women's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctly Christian work. While the original idea was to include those who intend to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very important place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations. The Glee Club is made up of sixteen men who train under

the direction of the Professor of Vocal Music. The tryouts for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department. During the year 1919-20 a Choral Club was organized composed of men and women.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All foot-ball, basket-ball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for inter-collegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as The University of Pittsburgh, Washington and Jefferson, Westminster, Grove City, Thiel, Bethany, Muskingum, and Mt. Union. Six institutions are represented in the Tri-State Oratorical Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in tryouts open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each

student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another examination is made at the close of the year to note the progress made.

Besides the gymnasium class work, various forms of inter-collegiate athletics are carried on under the direction of an experienced athletic coach. Foot-ball, base-ball, basket-ball, tennis, and field-track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

DEBATING

Opportunities are afforded for systematic training in debating, both in the curriculum and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least four inter-collegiate debates are held each year. Members of the inter-collegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a Student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

GENEVAN

Every year the Junior Class issues an annual which serves as a souvenir of the year's activities. The first year book was published in the second semester in 1919.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The purpose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year. The annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class each year shall be members of the Association during the annual business meeting of that year, without payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President, First Vice-President, Second Vice-President, Secretary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.
2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."
3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

GENEVA ENTERTAINMENT COURSE

Believing that the more or less latent artistic sense in college students can be quickened and trained by giving them high standards of excellence in music and public speaking; believing also that music is one of the great fine arts which should be a necessity to every well balanced and well educated man and woman because of its power to refine the emotions and quicken the imagination even in those who are capable of no more than layman's education in the musical art; believing the fathers and mothers on College Hill and in the valley would join us in providing something really fine for their boys and girls as well as for our college students—Geneva College has been able to offer this year a series of entertainments of rare excellence. The response of the community and of the undergraduates has been so gratifying and enthusiastic that we hope next year to have a course equally good. The attractions this year are as follows:

LECTURE—John Kendrick Bangs, Monday, October 18, 1920; "Salubrities I Have Met."

CONCERT—Flonzaley Quartet, Friday, November 26, 1920.

LECTURE—Earl Barnes, Monday, December 13, 1920; "New Russia."

CONCERT—New York Chamber Music Society with Carolyn Beebe; 11 piece orchestra; Monday, January 17, 1921.

CONCERT—Joint Recital, Cyrena DeGordon, Prima Donna Soprano, and Hans Kindler, Cellist, Monday, March 14, 1920.

Committee:

M. Gyla MacDowell

H. H. Wylie

R. C. Colwell

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase every year the latest and best volumes on topics, old and new, kindred to the studies of the curriculum.

The library is in care of a librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 8:00 A. M. to 12:15 P. M.; 1:30 to 5:00 P. M., and Saturday 9 A. M. to 12 A. M.

Four years ago the Geneva College Library was reorganized. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, has been completed. It contains complete subject, title, and author headings for all the books in the library. For this catalogue, cards were purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets have been installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

The need for additional room for administrative offices and the rapid growth of the library both in number of books and in use by the students forced a change of location. Hence the library was removed from its old quarters and placed in the two large rooms formerly used by the Christian Associations. By removing the partitioning wall these rooms furnished a place of sufficient size and of proper location. The number of volumes in the library was increased by almost three thousand the last year. This increase was made in part by purchase, but in large part by donations from friends and alumni.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers

are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

A new wireless receiving and sending station has been installed, with all the latest equipment for teaching wireless telegraphy; new psychological maps were purchased; new history maps for all courses were furnished, and a slide cabinet for Art History course.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music, and the degree of Bachelor of Oratory in the School of Public Speaking. The Art Department grants a certificate only and not a degree. The Master's degree is no longer given in course. All other degrees are honoris causa. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelor's degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize, which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students, taking Freshman English. The prize is offered through the generosity of the late Hays Euwer, of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1917-1918 the topic was assigned to the Department of Biology. For the year 1918-1919 the topic was assigned to the Department of Chemistry.

4. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late J. Herbert Morton, sometime principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

5. Bible Prize, \$30.00. This prize is offered by a friend for the best work done in the Department of English Bible.

6. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

7. Music Prize, \$10.00. This prize is offered by Mrs. Fisher for the best work done in the Department of Music.

8. John Lincoln Downie Prize, \$27.50. This prize is offered by R. M. Downie in honor of his son, John Lincoln Downie, to the one who represents Geneva in the Tri-State Intercollegiate Oratorical Contest.

9. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the best all around man and showing exceptional college spirit as chosen by the Faculty and Committee of the Alumni Association.

10. Lieut. Walter Cooke Lee Prize, \$15.00. This prize is offered in memory of a faculty member's brother who died in France, Nov. 16, 1918, to the student doing the best work in the Latin Department.

ROOMS

Non-resident young women students are required to room in McKee Hall, or Annexes, and are assigned to their rooms by a committee of the faculty. Rent \$5.00 per month each (two in a room). This secures all that belongs to a room—light, fuel and care. (As to furnishings, see para-

graph "McKee Hall".) Application for rooms should be made to the Registrar. A deposit of \$5.00 must accompany each application. On taking possession a deposit of \$2.00 is required, which is refunded at vacancy if room is left in a condition satisfactory to the Dean of Women.

Non-resident young men students room in private homes on College Hill. Rent \$5.00 to \$7.50 each (two in a room). Help to find desirable places is furnished by the College Office.

BOARDING

Boarding is provided for both young men and young women at the Geneva College Dining Hall. Rates: \$6.00 per week. No refunds except in special cases acted upon by a committee. Each student to furnish two napkins, and be responsible for laundering same. (These may be purchased at cost through the Dining Hall).

THE SCHOOL OF LIBERAL ARTS

FACULTY

A. A. JOHNSTON, A. M., B. D.

A. B., Geneva College; A. M., Princeton University;
B. D., Princeton University; University of Edinburg; University
of Pennsylvania

Acting President and Professor of Economics and History

ROBERT CLARKE, A. M., B. D.

A. B., Geneva College; Chicago University;
A. M., Princeton University

Professor of Philosophy

ROBERT C. COLWELL, Ph. D.

A. B., University of New Brunswick and Harvard University;
A. M., University of Chicago; Ph. D., Princeton University

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A. B., Geneva College; B. E., National School of Oratory
University of Chicago; University of Michigan

Professor of Public Speaking

CLARA ROSENGARTEN, A. M.

A. B., University of Denver; University of Berlin; University
of Pennsylvania; A. M., Columbia University

Professor of Spanish and French

ISABELLA STEWART, A. B.

A. B., University of Cincinnati, Columbia University;
Stern's School of Languages

Professor of French

CHARLES M. LEE, A. M.

A. B., Miami University; A. M., University of Cincinnati

Professor of Latin and Greek

MARY N. PORTER, A. M.

A. B., A. M., University of Michigan, Columbia University

Assistant Professor of English

MRS. H. H. WYLIE, A. B.

A. B., Geneva College; University of Chicago

Professor of Psychology

JOHN COLEMAN, A. M.

A. B., University of Pittsburgh; Reformed Presbyterian Theological
Seminary; A. M., University of Wisconsin; University of
Pennsylvania; Columbia University

Professor of Bible

R. C. WYLIE, D. D., LL. D.

Muskingum College

Professor of Political Philosophy

PHILIP L. COON, A. M.

A. B., Milton College; A. M., University of Wisconsin

Professor of Chemistry

ALBERT H. WILSON, A. M.

A. B., Earlham College; A. M., University of Chicago

Professor of Biology

HENRY C. THOMPSON, B. S. in C. E.
B. S. in C. E., Bucknell University
Assistant Professor in Engineering

MADELINE L. EVANS
Wilson College
Dean of Women

P. H. BRIDENBAUGH, A. B.
A. B., Franklin Marshall College
Physical Director for Men

EDNA M. GEORGE
Chautauqua School of Physical Education
Physical Director for Women

JAMES LUTZ
Assistant in Physics

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. One unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved four year high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

English	3	
Foreign Language	4,	two of which must be in one language.
Mathematics	2	
History	1	
Science	1	
Elective	2,	taken from above subjects.
Elective	2,	taken from above subjects, or any subjects which are accepted for graduation in an accredited preparatory or High School in the State from which student comes. The following subjects are excepted:
		Domestic Science
		Manual Training
		Stenography
		Bookkeeping
Total	15	

ADMISSION BY CERTIFICATE

Certificates will also be accepted in case of graduates of a three years' high school course provided they pass entrance examinations in not less than three units additional to their certificates.

Certificates will not be accepted in the cases of students who are not graduates of the school from which the certificates are presented.

NOTE I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

NOTE II. If all four units of foreign language presented are Latin, twelve (12) hours of one modern language will be required in college.

NOTE III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

ADMISSION WITH CONDITION

Students who have not fully completed the subjects specified for admission to the course they wish to enter may be admitted to the freshman class conditionally, but not if their deficiencies exceed one unit. This condition must be removed before the sophomore year.

SPECIAL STUDENTS

Persons desiring to pursue studies in the college are as a rule required to be prepared to enter the freshman class as candidates for one of the degrees. Under exceptional circumstances persons who are not candidates for a degree may be admitted as special students and allowed to pursue selected studies. It is understood, however, that entrance to any course requires the consent of the faculty.

ENGINEERING

In September, 1920, several new courses in Engineering were introduced into the curriculum so that it is now possible for a student to complete two full years of engineering work and enter the Junior Year of certain Engineering Schools with full standing. The work is designed mainly for civil engineers, but is also preliminary to electrical, mechanical and chemical engineering.

The courses (which should be taken during the first two years) are as follows:

Freshman Year, Trigonometry
Chemistry
English
French or Spanish
Mechanical Drawing
Analytical Geometry
Physical Education

Sophomore Year, French or Spanish
Differential Calculus
Physics
Mechanics
English
Surveying
Psychology
Economics

A student who completes this work satisfactorily will have no difficulty in obtaining advanced standing in the engineering departments with which co-operative plans have been worked out. The two years work will itself fit a good student for an excellent position in drafting or surveying.

MEDICAL

The American Medical Association has fixed the minimum for admission to the standard medical colleges at 60 semester hours of collegiate work, apportioned as follows:

<i>Required subjects:</i>	<i>Semester Hrs.</i>
Chemistry	12
Physics	8
Biology	8
English Composition and Literature.....	8
Other non-science subjects.....	12

Subjects strongly urged:

Modern Language for ability in reading foreign medical pub.....	6 - 12
Advanced Biology	3 - 6
Psychology	3 - 6
Mathematics	3 - 6
Additional Chemistry	3 - 6

Other suggested selectives:

English (additional), Latin, Greek, Economics, History, Sociology, Political Science, Logic, Mathematics, Drawing.

The student intending to enter a medical school should, as soon as possible, get a catalogue of that school so as to be able to meet its specific requirements. Geneva graduates have been admitted to standard medical colleges unconditioned.

LEGAL

Economics, a science, Latin two years, Modern language two years, Greek, History of England, of America, of Revolutionary and Modern Europe, English Composition and Literature, Political Philosophy, Public Speaking. Optional—History of Greece or Rome.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 15) usually taken in the Freshman year.

Bible—8 semester hours.

History—6 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 22), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

GROUP 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, or Romance Languages	6 hours

GROUP 2

Latin and Greek.....	18 hours
Romance Languages	12 hours
English, History, Philosophy, Education, Latin, Greek, or Romance Languages.....	6 hours

GROUP 3

Romance Languages	18 hours
Romance Languages	12 hours
Latin, Greek, English, History, Philosophy or Education.....	6 hours

(NOTE: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group).

GROUP 4

Philosophy and Education.....	18 hours
English, or History and Economics.....	12 hours
Latin, Greek, or Romance Languages.....	6 hours

GROUP 5

English	18 hours
Latin, Greek, or Romance Languages.....	12 hours
Philosophy, Education, History or Economics.....	6 hours

GROUP 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, or Romance Languages.....	6 hours

GROUP 7

Biblical Literature	18 hours
Greek, History, Philosophy, Education, English.....	12 hours
Greek, History, Philosophy, Education, Psychology, English, or Biology.....	6 hours

GROUP 8

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education.....	12 hours
Latin, Greek, or Romance Languages.....	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) *FOR THE DEGREE OF BACHELOR OF SCIENCE*

GROUP 1

Chemistry	18 hours
Biology, or Physics and Geology.....	12 hours
Biology, Mathematics or Physics.....	6 hours

GROUP 2

Mathematics	18 hours
Biology or Chemistry	12 hours
Biology, Chemistry or Physics	6 hours

GROUP 3

Biology	18 hours
Chemistry, or Chemistry and Physics.....	12 hours
Physics or Geology	6 hours

NOTE: Fourteen hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATIONS, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates for admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty.

V. Grading System.—The standing of a student in his work is indicated by the grade in the following scale to which he is assigned:

Grade A.—Equivalent to 100 to 95 per cent., or very good.

Grade B.—Equivalent to 95 to 90 per cent., or good.

Grade C.—Equivalent to 90 to 80 per cent., or fair.

Grade D.—Equivalent to 80 to 65 per cent., or passing.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a receipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced and no credits recorded until full settlement is made.

VIII. Registration Committee.—Each student is required to meet the Registration Committee at the beginning of each semester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

Acting President A. A. Johnston,
Dr. Robert C. Colwell,
Miss Gyla MacDowell,
Dr. H. H. Wylie
Prof. C. M. Lee,

IX. Limitation of Courses.—No student shall be allowed to carry more than seventeen semester hours without consent of the Faculty.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

RECAPITULATION OF EXPENSES

SCHOOL OF LIBERAL ARTS

A. B. and B. S. Degrees

(1) Tuition per semester	\$50.00	
(For sons and daughters of clergymen, one-half the regular rate).		
(2) Contingent Fee per semester.....	10.00	
(3) Incidental Fee per year.....	1.00	
(4) Athletic Fee per year.....	10.00	
(5) Chemistry Laboratory Fee per semester.....	5.00	
(6) Biology Laboratory Fee per semester.....	3.00	to \$5.00
(7) Physics Laboratory Fee per semester.....	3.00	
(8) Examination other than regular.....	1.00	
(9) Graduation Fee (in all departments).....	5.00	
(10) Library Fee per year.....	1.00	

EXTENSION SCHOOL

Per semester hour in course conducted at the college.....	\$5.00
Per semester hour in course conducted away from the College.....	6.00
Per semester hour to day students carrying extension work also....	2.50
(These rates hold true for all regular courses. Special courses will have rates announced at the installation of such courses).	

SUMMER SCHOOL

For rates see Special Summer School Bulletin.

SCHOOL OF MUSIC

B. M. Degree

	One lesson per week	Two lessons per week
PIANO: (term of 10 weeks)		
Advanced, with director (private).....	\$20.00	\$35.00
Advanced, with director (class).....	12.00	20.00
Intermediate (private)	10.00	15.00
Primary	7.50	10.00
VIOLIN: (term of 10 weeks)		
Advanced	20.00	40.00
Primary	7.50	10.00
VOICE: (term of 10 weeks)		
Advanced	30.00	

SCHOOL OF PUBLIC SPEAKING

B. O. Degree

PRIVATE LESSONS: (term 16 lessons) 1 lesson per week.....	\$25.00
(term 32 lessons) 2 lessons per week.....	45.00
(term 48 lessons) 3 lessons per week.....	69.00
Single Lessons	1.75

All tuition, fees, etc., due and payable within the first ten days after the opening of each semester.

SCHOLARSHIPS

Two kinds of scholarships are offered:

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated High Schools in Western Pennsylvania. These scholarships pay all tuition for four years.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each year to deserving students. The value of these scholarships is \$50.00 each, the interest on \$1000.00 for one year. Application blanks may be obtained from the Secretary, Geneva College, Beaver Falls, Pa.

COURSE OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required.

Two hours a week, first semester.

DEPARTMENT OF BIBLICAL LITERATURE

The courses in the English Bible are designed to bring the student by approved modern methods to such a degree of familiarity with the Word as will lead him to appreciate its true worth and to use its ethical, philosophical, and sociological teachings in the building up of his view of the world. The Bible is used as the primary text in most of the courses, and a large amount of library work is assigned. Eight semester hours are required. Except by permission these are to be taken in the basic courses, 15, 16, 17, 18. The number of advanced courses to be given each semester will be determined in some measure by the demand.

15. *Old Testament History, I.*—Strong emphasis is laid upon the genetics of the Bible. The historical development is followed through the Solomonic period. Two hours, first semester, required.

16. *Old Testament History, II.*—The period extending from the division of the Kingdom through the Maccabean era to the time of Christ is studied with considerable emphasis upon the ethical and social teaching of the prophets. Two hours, second semester, required.

17. *The Life of Christ*.—The aim of this course is so to present the Gospels as to give an understanding and appreciation of the important events of Christ's life, of His person, character, and ideals, of the new truths He reveals and of His mission to the world. Two hours, first semester, required.

18. *The Apostolic Period*.—Attention is given to the rise and growth of the Christian Church, to Paul's missionary journeys, and to the Pauline Epistles as they show the reaction of the Christian teachings upon the Hebrew, Greek, and Roman conceptions of life. Two hours, second semester, required.

19. *The Prophetic Literature of the Bible*.—An inclusive study of the prophetic elements which in one form or another occupy almost one-half the Scriptures. Sacrificial and personal types are considered together with the predictive literature of the Old and New Testaments. Some study of the history of the nations surrounding Israel is necessarily involved. Three hours, first semester. Elective.

20a. *The Wisdom Literature*.—The Wisdom books are considered in their structure and teaching and applied to current philosophical problems. Two hours, first half of the second semester. Elective.

20b. *The General Epistles*.—These are considered in their historical setting with an intensive treatment of one or more of them. Two hours, second half of the second semester. Elective.

21. *The Sociology of the Bible*.—The Bible is the world's greatest source book for the study of social institutions, and its teachings have a practical bearing on all modern social problems.

22. *Biblical Pedagogy*.—A study of methods of Bible teaching. Each student is required to do a certain amount of Bible teaching as laboratory work. One hour, second semester. Elective.

23. *Comparative Religions*.—The various religions of the world are considered comparatively as to their history and doctrinal character. This course will be of special value to those interested in missionary problems. Two hours, first semester. Elective.

24. *Philosophy of Religion*.—Whether he intends it or not, everyone has a more or less consistent world-view of which his religion is a vital factor. In this course current religious world-views are analyzed with special emphasis upon that of Christianity. Three hours, second semester. Elective.

DEPARTMENT OF BIOLOGY

The aim of the courses in the Department of Biology is to give the student a comprehensive knowledge of the fundamental principles upon which the study of living organisms as a science is founded. Observation and study of plants and animals in the laboratory and in the field is emphasized together with the practical application of the work. Special effort is made to impress students

in this department with the value of strictly scientific method so that these courses may serve as a basis for those who wish to do research work in this field. The courses are so arranged that work exclusively in either Botany or Zoology can be taken.

A breakage and purchase ticket is required of every student studying Biology. This may be obtained from the Local Treasurer by paying a deposit of \$5.00.

Attention is called to the courses which meet the requirements of the pre-medical course. Those desiring to meet the requirements of this course should take courses 21, 25, 26 and 27, 30 and 32 if time permits.

Course 29 has been arranged to meet the requirements of the new teacher training law of Pennsylvania.

21. Introduction to Zoology.—An attempt is made in this course to give the student a working knowledge of the basic principles and concepts of zoology. The laboratory work includes the observation and dissection of the important invertebrate types and at least one vertebrate (frog). Emphasis is placed on accurate drawings and notes. (Laboratory Fee \$3.00). Lectures and recitations, 2 hours per week; Laboratory, 3 hours per week.

First semester, 3 hours credit.

22. Introduction to Botany.—This course gives a general introduction to the study of plant life. A study of plant structures is made and the student is given an opportunity to study the plant in the field. Use of the compound microscope is taught and an effort is made to develop skill in the making of accurate drawings. This course is offered with course 21 for those who desire one year of general biology. (Laboratory Fee \$3.00). Lectures and recitations, 3 hours per week. Field trips all day Saturday.

Second semester, 3 hours credit.

23. Botany, Morphology of Thallopiphytes and Bryophytes.—This course gives a student a knowledge of the structures of the important types of plants. It considers, (1) the origin and evolution of sex; (2) origin of stationary plants; (3) parasitism, saprophytism symbiosis; (4) origin of a distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and course 24. Text, "Text-book of Botany," Coulter Barnes and Cowles. (Laboratory Fee \$3.50). Prerequisite, course 22 or equivalent. Lectures and recitation, 1 hour per week; Laboratory, 6 hours per week.

First semester, 3 hours credit. (Will be offered in 1922-23).

24. Botany Morphology of Pteridophytes and Spermatophytes.—A continuation of course 23. A careful study is made of the development of flowering plants and the advance of sporophyte and reduction of the gametophyte. Text, "Text-book of Botany," Coulter Barnes and Cowles. (Laboratory Fee \$3.50). Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week.

Second semester. Credit, 3 hours. (Not offered in 1922-23).

25. Invertebrate Zoology.—A detailed study of type forms. With the aid of dissections and drawings, a comparative study of the forms of all the invertebrate phyla are made. (Laboratory Fee, \$4.50).

Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week. Prerequisite course, 21 or its equivalent.

First semester. Credit, 3 hours.

26. *Vertebrate Zoology*.—A detailed study and comparison is made of such types of vertebrates as the dogfish, frog, pigeon and cat. Special attention is given to the dissection of the cat as an example of mammalian anatomy. (Laboratory Fee \$4.50). Lecture and recitation, 1 hour per week; Laboratory, 6 hours per week. Prerequisite, courses 21 and 25.

Second semester. Credit, 3 hours.

27. *Animal Histology*.—Methods of fixing, imbedding, sectioning, staining and mounting animal tissues. Microscopic study and drawing of same. Open to those who have had sufficient training in Zoology. No one should register for this course without first consulting the instructor. (Laboratory Fee, \$5.00). Lecture or Recitation, 1 hour per week; Laboratory, 6 hours per week.

First semester. Credit, 3 hours. (Not given in 1922-23).

28. *Methods in Plant Histology*.—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining, and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text, "Methods in Plant Histology," Chamberlain. (Laboratory Fee, \$5.00). Lectures and Recitations, 1 hour per week; Laboratory, 6 hours per week.

Second semester. Credit, 3 hours.

29. *Methods of Teaching Biology*.—This course is designed for students who expect to teach science and for teachers who wish to meet the requirement of the state laws. The course consists of lectures on the teaching of Botany and Zoology; instruction and practice are given in the collecting of material for class room use; the making of microscopic slides sufficient for a class in high school and the making of lantern slides. Opportunity will be given for examination and comparison of text-books in these subjects. Each student will be expected to make a number of observations of teaching in their subject in nearby high schools and give report of same. (Laboratory Fee, \$3.00.) Lectures and recitations, 1 hour per week; Laboratory, 3 hours per week. Credit, 2 hours. Prerequisite, courses 21 or 22 or equivalent.

Second semester. Credit, 2 hours.

30. *Embryology*.—A study of the embryological development of vertebrate animals with emphasis on the chick and pig. Slides of the chick will be made. (Laboratory Fee, \$5.00.) Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week. Credit, 3 hours. Prerequisite, courses 26 and 27.

Second semester. Credit, 3 hours. (Not given in 1921-22).

31. *Heredity and Genetics*.—This course deals with the fundamental principles of heredity and their application to animal and plant breeding. Consideration is given to the theory of germ plasm,

mutation, variation and Mendel's law. Lectures and recitations, 1 hour per week. Credit, 1 hour. Prerequisite, course 21 or 22. Both semesters. Credit, 1 hour.

32. *Bacteriology*.—This course is designed primarily for pre-medical students but it will be found valuable for those interested in the economic importance of micro-organisms. Bacteria of disease as well as those of fermentation and decay are studied. (Laboratory Fee, \$5.00). Lectures, 1 hour per week; Laboratory, 6 hours per week.

Credit, 3 hours. Not offered in 1921-22.

33. *Human Physiology*.—This course deals with the structures and functions of the human body, including digestion, assimilation excretion, irritability, etc. This course will be found valuable to those interested in health and disease who are not interested in science; to those who wish to learn more of the care of the human body, and to teachers of physiology in the public schools. (Laboratory Fee, \$3.00). Lectures and recitations, 2 hours per week; Laboratory, 3 hours per week.

Credit, 3 hours.

DEPARTMENT OF CHEMISTRY

15. *General Inorganic Chemistry*.—This course is designed for all students who desire to become acquainted generally with the many chemical relations which are of such great importance in the ordinary affairs of life. A fundamental chemical knowledge is established, upon which further chemical study may be based. Three lectures or recitations and two 2-hour laboratory periods per week; throughout the year.

16. *Advanced General Inorganic Chemistry*.—Open to those students who offer Chemistry for entrance. A course, in many respects similar to course 15, with special emphasis on the fundamental theories and laws of general chemistry. The quantitative nature of chemical reactions is stressed and during the latter part of the course the elements of qualitative analysis are introduced. Two lectures and two 2-hour laboratory periods per week; throughout the year.

17. *Qualitative Analysis*.—A careful study is made of the principles and reactions involved in the qualitative detection of the ionic constituents of the most important salts. Two discussions or recitations and two 2-hour laboratory periods per week; first semester. Prerequisite, course 15 or 16.

18. *Quantitative Analysis*.—In this course, the elements of quantitative analysis, both gravimetric and volumetric, are presented and the corresponding laboratory practice developed. Two lectures and two 3-hour laboratory periods per week; second semester. Prerequisite, course 15 or 16; course 17 is desirable.

19. *Advanced Quantitative Analysis*.—A continuation of course 18, in which the methods of analyzing ores, steels and other commercial products are studied. Two lectures with accompanying laboratory.

20. *Organic Chemistry*.—A course, in which are discussed the fundamental theories concerning the constitution of organic compounds. The typical reactions of the aliphatic series and many of the aromatics are emphasized. Two lectures or recitations and two 2-hour laboratory periods per week; first semester. Prerequisites, course 15 or 16; courses 17 and 18 are desirable.

22. *Introductory Physical Chemistry*.—A comprehensive study is made of the modern theories of solution, chemical equilibrium, thermo and electro-chemistry. One lecture and one 3-hour laboratory period per week; throughout the year. Prerequisites, course 15 or 16, and courses 17 and 18; course 20 also desirable.

DEPARTMENT OF ECONOMICS

15. *Economics*.—The principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. These economic principles will then be applied to the problems of labor, immigration, transportation and monopoly. Special attention will be paid to money and banking, government control, labor unionism, and socialism. A text will be used supplemented extensively by lectures and collateral reading.

Both semesters, three hours a week. Open to Sophomores, Juniors and Seniors.

16. *Labor Unions*.—The background, structure, political activity and transitional stages of labor unions will be studied and discussed. Special emphasis will be placed upon collective bargaining, strikes and the legal aspects of the problem.

Second semester, two hours a week.

DEPARTMENT OF EDUCATION

15. *History of Education*.—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticise our own ideals and methods in the light of these. This course is open to Juniors and Seniors. Advised prerequisite, Psychology 15. Both semesters, 3 hours.

Dr. Wylie

16. —*Principles of Secondary Education*.—The scope of secondary education; the underlying factors which should determine character; the organization of secondary education; and the subject matter which should be taught. This course is open to Juniors and Seniors. Prerequisite, after 1920, Education 15. First semester, 3 hours.

Dr. Wylie.

17. *School Administration*.—This course aims to cover in a preliminary way the administration of public education in the United States. An attempt is made to state what school administration is, what it has done, and what it ought to accomplish in the future. Second semester, 3 hours.

Dr. Wylie.

18. *Practice and Observation Teaching*.—This course is arranged so that each student enrolled will get a minimum of fifty-four hours of actual supervised teaching and fifty-four hours of actual observation during the year. Special arrangements with the Head of the Department must be made by each student taking this course before the school year actually begins. The full year course must be taken. Minimum credit for each semester, 3 hours. Maximum credit for each semester, 6 hours. (Laboratory Fee, \$10.00).

Dr. Wylie.

19. *Elementary Principles and Methods*.—This course is intended to cover for Elementary work what Course 16 covers for Secondary Education. The scope of Elementary Education, the underlying factors which should determine its character, the organization, the subject matter, and the general principles which should guide in method will be discussed. Second semester, 3 hours. Dr. Wylie.

20. *The Teaching of Biology in the Secondary Schools*.

Prof. Wilson

21. *The Teaching of English in Secondary Schools*.

Miss MacDowell

22. *The Teaching of the Classics in Secondary Schools*.

Prof. Lee

DEPARTMENT OF ENGINEERING

1. *Descriptive Geometry*.—Practice in elementary orthographic projection with analytical study. 2 hours per week, both semesters.

2. *Mechanical Drawing*.—Practice in geometrical problems, lettering, titling, sectioning, shading, developments of surfaces, orthographic and isometric drawings and detail drawings of machines and structures. 10 hours Laboratory per week; both semesters. Shorter courses arranged to meet the demand of the class.

3. *Plane and Topographical Surveying*.—Lectures and field work. Adjustments and care of instruments; field practice in each position on corps; making compass and transit traverses and surveys for area and topography and leveling for profile, grading, excavation, etc. Making computations and maps from maps obtained in field work, etc. 2 hours recitation and 2 hours laboratory per week. Credit, 3 hours first semester and 4 hours field work second semester.

DEPARTMENT OF ENGLISH

24. *Rhetoric and Composition*.—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Text: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pitkin: Short Story Writing; Pitkin: Studying the Short Story. Prerequisite: see College Entrance Requirement. Time, 4 hours per week during entire year.

25. *Old and Middle English*.—History of Old and Middle English studied. Reading of Beowulf, Old English Prose and Poetry; Malory's Mort-d'-Arthur—Tennyson's Idylls of the King; Chaucer's Canterbury Tales; Spenser's Faerie Queene and Bacon's Essays. Fortnightly themes. Texts: Beowulf: Child's translation Old English Prose and Poetry; Cook and Tinker: Chief Middle Poets; Jessie Weston: Canterbury Tales, Macmillan Edition; Faerie Queene, Macmillan Edition; Bacon's Essays. Prerequisite, English 24. Time, 3 hours per week, first semester.

26. *Shakespeare*.—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's complete works; Hanly: "Pre-Shakespearean Drama"; Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester.

27a. *Milton*.—Study of Paradise Lost, Paradise Regained, Samson Agonistes, the minor poems and selections from Milton's Prose. Text: Milton's Poems (Student's Cambridge Edition); Selections from Milton's Prose; Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, 1 hour per week, first semester.

28. *Dante*.—Study of Dante's Inferno, Purgatorio and Paradiso. Texts: Gardner's Dante Primer; Dante's Divine Comedy—Longfellow's Translation. Prerequisite, English 24. Time, 1 hour per week, first semester.

29. *Literary Criticism*.—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: Principles of Literary Criticism: Winchester. Prerequisite, English 24. Time, 1 hour per week, first semester.

30a. *Classicism and Romanticism*.—Lectures and recitations tracing the Romantic Movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: The Beginning of the Romantic Movement in the 18th Century: Phelps. Prerequisite, English 24. Time, 1 hour per week during second semester.

31b. *Tennyson and Browning*.—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Students's Cambridge Edition); Phelps: Browning, How to Know Him. Prerequisite, English 24. Time, 1 hour per week during second semester.

32c. *American Poets*.—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: Representative American Poets: Percy Boynton. Prerequisite, English 24. Time, 1 hour per week during second semester.

33a. *Modern Drama*.—Lectures and Readings—Ibsen, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Galsworthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. 18. Time, 3 hours per week, first semester.

33b. *Poetry of To-day in America*.—Richard Watson Gilder, Robert Frost, Walter Bynner, Edwin Arlington, Robinson, William Vaughn Moody, Carl Sandburg, Edgar Lee Masters, Vachel Lindsay, Richard Hoyey, Amy Lowell, Ella Wheeler Wilcox, Sara Teasdale, Allen Seeger, Joyce Kilmer and others. Text: New Voices by Margaret Wilkinson. Prerequisites, English 24, 27, 28, 29 and 30, 31, 32. Time, 1 hour per week. First semester; also second semester.

34a. *British Poets of 19th Century*.—A study of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swinburne, Rossetti, Kipling, Service, Noyes, Drinkwater, Rupert Brooke Bridges and other English poets of to-day. Text: British Poets of the 19th Century by C. H. Page. Time, 1 hour per week, second semester.

34b. *English Essayists of 19th and 20th Centuries*.—Advanced study, noting biographical, historical, philosophical qualities—the relation of such literature to forces of social life. The work is based on typical essays of Lamb, DeQuincey, Macaulay, Carlyle, Ruskin, Stevenson, Newman, etc. Text: A Book of English Essayists by Winchester. Time, 1 hour per week, second semester (Given in 1921).

34b. Representative American Plays by A. H. Quinn. Historic review of American Drama. Time, 1 hour per week, second semester. (Not given in 1921, but given in 1922).

34c. Continuation of 33b. Prerequisite, English 24, and 27, 28, 29 and 30, 31, 32. Time, 1 hour per week, second semester.

35. The Teaching of English in Secondary Schools.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. *Physiography*.—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text.: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, 3 hours a week.

16. *Historical Geology*.—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the work. Geology 15 is a desirable prerequisite. Second semester, 3 hours a week.

17. *Field Geology*.—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GREEK

The course in Greek covers four years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul, if acquired in a fair measure, will make it easier for a capable student to find his way through the great books, ideas and art productions of the world. The assistance of Greek in studying the English language, and in scientific terminology is emphasized by study of cognates and derivatives.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation. Wright's "Greek Literature" is a required hand-book in these courses for easy and interesting English reference.

15. *Beginner's Course*.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman year, 4 hours.

16. *Xenophon or Herodotus*.—Parts of one or both authors with special attention to the structure of the Greek language and

differences between the Attic and Ionic dialects. Readings from Histories of Greece in English.

First semester of Sophomore year, 3 hours.

17. *Homer*.—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer. Scansion of the Greek hexameter.

Second semester of Sophomore year, 3 hours.

18. *Plato*.—Apology, Crito, Phaedo, Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught future generations the meaning of "reasoned truth." Study of the life of Socrates.

First semester of Junior year, 3 hours.

19. *Greek Drama*.—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Second semester of Junior year, 3 hours.

20. *Greek History*.—See department of History.

21. *New Testament Greek and Greek Literature*.—Selections from Gospels and Epistles. Hellenistic Greek. Connected view through lectures and readings of text-book of the whole course of Greek literature.

First semester, Senior year, 3 hours.

22. *An Anthology of Hellenic Poetry*.—A survey of lyric verse from the seventh century to the third, from the elegiac, iambic and melic poets.

Second semester, Senior year, 3 hours.

DEPARTMENT OF HISTORY

20. *Greek History*.—A general survey of the political and social history of Greece with particular attention to the struggle with Persia, the Athenian Empire, the hegemony of Sparta, the Greek colonies, the empire of Alexander, and the Hellenistic period. Lectures, collateral reading and reports. (Offered in 1921-22.)

First semester, 3 hours a week.

Prof. Lee.

21. *Roman History*.—A brief study of the life and government of the early Romans, the conquest of Italy and the world, the struggle with Carthage, conditions under republic and empire, Roman provincial government, education and law; the introduction of Christianity, and the division and decay of the empire. Lectures, reading, and reports.

Second semester, 3 hours a week.

Prof. Lee.

22. *English History*.—The purpose of this course is to give the student a comprehensive view of English history, to make him acquainted with the life and institutions of the English people to enable him to trace the unity and continuity of America's civilization with

that of the mother country, and to furnish a view in true perspective of the place that England has occupied in the political, social, industrial, and intellectual progress of the world. Special attention is given to the social and industrial development of Great Britain, particularly in the twentieth century. Careful study is made of the growth of the British constitution.

First semester, 3 hours a week, Freshman year.

Prof. Johnston.

23. *American History.*—The preceding course in English History prepares the student for an intelligent study in the history of his own land. In this course, while the chief events will be brought clearly into view, special emphasis will be laid on principles and movements, and the student will be led to view his own country in its relation with that of other nations. Special search is made for the unique characteristics of American social and political life.

Second semester, 3 hours a week.

Prof. Johnston.

24. *History of Revolutionary Europe.*—This course deals particularly with the history of Europe from 1789 to 1815 but careful study will be made of the important periods leading up to the French Revolution. The intention is not so much to follow the military events of which those years were so full as to realize the transition from the old to the new that was then going on, and to gather up and impress the permanent results of the Revolution.

First semester, 3 hours a week.

Prof. Johnston.

25. *Modern Europe.*—Beginning with 1815, where the preceding course breaks off, this course continues the study of European history down to the year 1914. The "concert of Europe," the "Balance of Power," and the "Confederation of Europe," are some of the features of this period which will be made prominent. Colonial expansion, the acquisition of territories, and the growing complexities of international relations will be traced throughout the course of the century. Special study will be made of developments leading to the Great War.

Second semester, 3 hours a week.

Prof. Johnston.

26. *Mediaeval History.*—This course deals with the most important feature of the Middle Ages, the temporal and spiritual power of the Papacy, the persistence of the imperial idea, the growth of a community of nations, and the current of thought that characterized the period.

Elective, first semester, 2 hours a week.

Prof. Johnston.

28. *Contemporary American History.*—From the beginning of the reconstruction period to the present time. The first part of the course will be occupied primarily with a study of the reconstruction period from 1865 to 1877. The second part of the course will be given to study of the social and industrial development of our country from 1877 to the present day.

Elective, 3 hours a week, second semester.

Prof. Johnston.

30. *The Industrial History of the United States.*—A brief survey will be made of the political history of our country upon which will be built a detailed study of industrial conditions. The business

aspects of colonization, industrial development under British control, our national beginnings, the Revolution, the Civil War, the epoch of expansion, contemporary problems, conservation. These subjects will receive special attention. Given 1919-20.

Second semester, 2 hours a week.

31. *History of Art*.—This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: *History of Architecture*; Marquand: *History of Sculpture*; Van Dyke: *History of Painting*.

Time, 2 hours per week throughout the year.

Miss MacDowell.

DEPARTMENT OF LATIN

Six semester courses are offered in Latin and the aim in all is specific preparation for literary, educational and professional life. The editor of the New York Sun once said that his best proof of the value of classical study was forty years in a newspaper office. Information, social and literary background, power of interpretation and varied expression are sought in a language that gives over forty per cent. of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts. Mackail's "Latin Literature" is the required handbook for all these courses.

15. *Cicero*.—De Amicitia and De Senectute.

Some of the philosophy and ethics of Rome's foremost prose writer.

First semester of Freshman year, 3 hours.

16. *Livy*.—Selections from the first and third decades of Roman History. The founding of Rome, and the Hannibalic War.

Second semester of Freshman year, 3 hours.

17. *Selections from Eight Latin Poets*.—An anthology from such writers as Ennius, Catullus, Horace, Ovid, Seneca and Martial studied in chronological order to show the development of Latin Poetry. Some of the Satires of Juvenal will also be read for their realistic picture of Roman Life under the empire.

First semester, Sophomore year, 3 hours.

18. *Seneca*.—Medea, Hercules, Furens, or Troades. Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second semester of Sophomore year, 3 hours.

19. *Plautus*.—Trinummus or Captivi. Early and colloquial Latin. Intimate knowledge of the plain people of the early Republican period of Rome; study of Roman Comedy.

First semester of Junior year, 3 hours.

20. *Tacitus*.—Annals, "The Latin of the Silver Age," A Roman History Source.

21. *Roman History*.—See Department of History.

22. *The Teaching of the Classics in Secondary Schools*.—Main emphasis on Latin teaching. Latin prose composition, scansion, text-book selection, motivation, etc. A knowledge of Greek will prove helpful.

Second semester, Junior year, 3 hours.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself well qualified to teach mathematics in the elementary schools or to continue his work in higher institutions of learning.

15. *Advanced Algebra*.

Three hours a week, first semester.

16. *Trigonometry*.

Three hours a week, second semester.

17. *Analytical Geometry*.

Two hours a week, second semester.

18. *Differential and Integral Calculus*.—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practi-

cal problems. Text-book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

19. *Differential Equations*.—Equations of the first and second order of linear equations, solutions in series, partial differential equations, etc. Text-book: Cohen's Differential Equations.

Three hours a week, first semester.

20. *Analytic Mechanics*.—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text-book, Jean's Theoretical Mechanics.

Three hours a week, second semester.

21. *Fouriers Series and Harmonic Functions*.—Development in series, solution of certain partial differential equations. Text-book: Byerly's Fouriers Series and Spherical Harmonics.

Three hours a week, second semester.

DEPARTMENT OF PHILOSOPHY

15. *The Problems of Philosophy*.—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Eethics which follow. The work in this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. Text for 1920-21: Paulsen's Introduction of Philosophy; James' Some Problems of Philosophy. This course will be open to Juniors and Seniors.

First semester, 3 hours.

Dr. Wylie.

16. *History of Philosophy*.—The aim of this course is to trace the progress of philosophic thought from the Greek period to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. Text for class use: Roger's Student History of Philosophy. Text for applied study: Weber's History of Philosophy, or Cushman's History of Philosophy. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

Dr. Wylie.

17. *Logic*.—The general character of the thinking process is taken up; its laws of development are studied and the way thought actually proceeds in the solution of problems. The important methods are considered and tested as to their relative importance and logical validity. Texts: Creighton's Logic; Dewey's How We Think.

First semester, 2 hours.

Dr. Wylie.

18. *Introductory Ethics*.—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's Problems of Conduct. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

Prof. Clarke.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take 3 periods per week for 18 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months' training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. There are two well equipped laboratories: one for general physics and one for advanced electricity. The advanced course in electricity deals with the latest development in radio telegraphy.

1. *General Advanced Physics*.—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text-book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, 3 hours a week, both semesters.

LABORATORY COURSE

The work in this course comprises methods of mathematical demonstration and investigation of the principles of

physics and instruction in the use and adjustment of instruments, together with quantitative problems. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Millikan and Mann's *Molecular Physics and Heat*, and Millikan's *Sound, Heat and Electricity*.

Two hours a week throughout the year.

2. *Practical Wireless Telegraphy*.—The modern instruments of radio telegraphy are studied. Practice is given in commercial sending and receiving. Prerequisite, High School Mathematics.

Lectures and Laboratory, 2 hours a week throughout the year.

3. *Theory of Radio Telegraphy*.—This is a somewhat advanced course in the theory and use of wireless apparatus. The equations of electric oscillations are taken up. Prerequisite, one year of college mathematics; a knowledge of calculus will prove helpful.

Lectures, 3 hours a week throughout the year.

Laboratory, 2 hours a week throughout the year.

DEPARTMENT OF POLITICAL PHILOSOPHY

15. *Political Philosophy*.—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God, grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text-book, lectures, thesis.

Three hours a week, two semesters.

DEPARTMENT OF PSYCHOLOGY

15. *Introductory Psychology*.—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the

course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Some text will be required. Both semesters, 3 hours.

16. *Social Psychology*.—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relation of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text. Prerequisite, after 1920, Psychology 15. First semester, 3 hours.

17. *Educational Psychology*.—This course attempts to formulate the general principles which modern Psychology suggests as being of use in guiding educational procedure. Such material as is studied in Courses 15 and 16 is here considered in its pedagogical bearings. Prerequisite, after 1920, Psychology 15 and 16. Second semester, 3 hours.

DEPARTMENT OF PUBLIC SPEAKING

15. *Principles of Speaking*.—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—co-ordination of mind, voice and body. First semester, 2 hours, required of all Sophomores.

16. *Literary Interpretation*.—The application of the fundamental principles to the interpretation of selections from literature. Second semester, 2 hours a week required.

17. *Extempore Speaking*.—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, 2 hours a week required.

18. *The Acting Drama*.—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational value, the choice of plays, selecting the cast, rehearsals, stage managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, 2 hours a week.

19. *Story Telling*.—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, 2 hours a week.

20. *Debate*.—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week, second semester.

21. *Debate*.—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week.

22. *Oration*.—The writing and delivering of orations. Training in the criticism and judging of orations. One hour a week, second semester.

23. *Oration*.—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week, second semester.

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed frequently and after the first-year students have acquired a sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15a. *Elementary French*.—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France*, or *Ca et La en France*. Read *La Tache du Petit Pierre*. Throughout the year, 3 hours.

16. —*Intermediate French*.—Reading: Dumas—*Monte Cristo*; Les *Trois Mousquetaires*. Daudet—*Tartarin de Tarascon*. Theuriet—*Bigarreau*. Throughout the year, 2 hours.

17. *Intermediate French*.—Grammar review, composition, conversation. Francois French Prose Composition. Open to students who have had French 15, or who have offered two units of French for entrance. Throughout the year, 1 hour.

18. *Modern French Literature*.—Rene Bazin—Les Oberle. Anatole France—*Le Livre de Mon Ami*; *Le Crime de Sylvestre Bonnard*. Pierre Loti—*Pecheur d'Islande*. Prerequisite. French 16. First semester, 2 hours.

19. *Classical French Drama*.—A study of the life and works of Corneille—given in 1919-1920. Lectures in French. Reading: *Le Cid*, *Cinna*, *Polyeucte*, *Horace* and *Britannicus*. Prerequisite, French 18. Second semester, 2 hours.

21. *Classical French Drama*.—A study of the life and works of Racine—given in 1920-1921. Lectures in French. Reading: *Athalie*, *Esther*, *Andromaque*, *Phedre*. Prerequisite, French 18. Second semester, two hours.

21. *Classical French Drama*.—A study of the life and works of Moliere—given in 1921-1922. Lectures in French. Reading: *Les Precieuses Ridicules*, *Le Bourgeois Gentilhomme*, *L'Avare*, *Le Misanthrope*. Prerequisite, French 18. Second semester, 2 hours.

22. *Advanced French Composition*.—Grammar review, composition, conversation. Koren French Composition. Prerequisite, French 17. Throughout the year, 1 hour.

30. *Elementary Spanish*.—Espinosa and Allen's Spanish Grammar. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Read Turrell's Spanish Reader. Throughout the year, 3 hours.

31. *Intermediate Spanish*.—Open to students who have completed Course 30. Prose composition: Umphrey. Reading: Galdos—*Marianela*; Valera—*Pepita Jimenez*; Ayala—*Consuelo*; Cervantes—*Don Quijote*; Calderon—*La Vida es Sueno*. Throughout the year, 3 hours.

EXTENSION SCHOOL

FACULTY

ARCHIBALD A. JOHNSTON

Acting President of the College

HARRY H. WYLIE

Head of Department of Education and Dean of Extension School

M. GYLA MacDOWELL

Head of Department of English

ROBERT C. COLWELL

Head of Department of Physics

MRS. MARY C. McCONAGHA

Head of Department of Public Speaking

MRS. HARRY H. WYLIE

Head of Department of Psychology

CLARA ROSENGARTEN

Department of French and Spanish

ISABELLA STEWART

Department of French

EDNA GEORGE

Department of Physical Education for Women

JOHN COLEMAN

Head of Department of Bible

MARY N. PORTER

Department of English

ASSISTANTS

J. BRAD CRAIG

*Teacher Training School, Pittsburgh, Pa.**Assistant in History*

J. C. LINVILLE

*Department of Physics and Chemistry, Beaver High School,
Beaver, Pa.**Assistant in Physics*

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*Department of Mathematics, Beaver High School, Beaver, Pa.**Assistant in Mathematics*

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Assistant in English

RENA RONEY

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Assistant in French

WILMER MARTIN

Attorney-at-Law, Beaver Falls, Pa.

Assistant in Economics

C. F. BECKER

Superintendent of Schools, Ellwood City, Pa.

Assistant in Education

JAMES LUTZ

Assistant in Department of Mathematics and Physics, Geneva College

Assistant in Physics

Organization. The Extension School at Geneva College was organized in the fall of 1916 and is a part of the regular college organization. The same courses are offered as in the regular school and the same credit is given when these courses are satisfactorily completed. The teachers are for the most part the same as in the same courses in the regular school. Outside teachers are used when the work can not well be taken care of by the members of the regular faculty. These outside teachers are part time instructors and are experienced and successful in the lines in which they are called upon to give assistance. The work is carefully supervised by the Dean of the Extension School, especially where outside instructors are used. The courses that are conducted during any semester are determined by the demand at the beginning of the semester.

Entrance Requirements. The entrance requirements are the same as for the regular school. If the person entering wishes to become a candidate for a degree fifteen units are required. If the person entering wishes to do special work not looking toward a degree, only such work as is necessary to prepare him for the particular subject or subjects he desires to enter is required. He is then enrolled as a special student.

Tuition Charges. The tuition charges for work in the Extension School will be for the year 1921-1922 at the rate of \$5.00 per semester hour credit if the class is conducted at the college; at the rate of \$6.00 per semester hour credit if the class is conducted away from the college. Tuition is payable in advance and no refund will be allowed for withdrawal after enrollment has been made.

General Remarks. The Extension School at Geneva started with very humble beginnings, the enrollment being less than a score of students. The demand came very largely from teachers of the vicinity who wanted an opportunity during the summers and also during the regular school year to take up advanced work. The classes during the regular year are conducted on Saturdays or in the evenings at the place and time most convenient to the majority of those who desire the courses. By taking work in this way both in summer and in winter it becomes possible to secure a college education without losing time from regular employment. Thus a fine opportunity is furnished to those who could not otherwise secure a college education. The number enrolled has grown in five years from less than a score to more than a hundred and fifty. The college authorities have been much encouraged in this attempt to serve the community both by the increasing enrollment in this work and by the excellent type of work done by those enrolled. Such work, as a rule, is taken up only by those who are seriously wanting the college training thus afforded and a very high standard is maintained, averaging perhaps higher than in the regular school. The smaller classes allow much more personal attention.

Correspondence Work. A demand has recently arisen for correspondence courses. During the coming year an attempt will be made to meet that demand. Already correspondence work is being carried on in the Bible courses. Those interested should address the Dean of the Extension School.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

ARCHIBALD A. JOHNSTON, A. M., B. D.

Acting President of the College

FRANCES E. WADDLE, A. M.

Director

Philipp, Paris; Barth, Berlin

Piano, Theory, Harmony, and History

ELIZABETH D. JOHNSTON, B. S.

B. S., Geneva College

Piano

EDWARD F. KURTZ

(Formerly of The Pittsburgh Orchestra)

Violin, Viola, 'Cello

ERNEST LUNT

(Director of Pittsburgh Mendelssohn Chorus)

Voice

DOROTHY PEARCE

Violin

CLARA ROSENGARTEN, A. M.

University of Denver; University of Berlin; University of Pennsylvania; Columbia University

Spanish and French

PHILIP L. COON, A. M.

Director of "College Entertainers"

PIANO

This department is under the direction of Miss Frances E. Waddle, who has had the advantage of study under the best teachers in Europe and America, among whom are Mr. William Sherwood, of Chicago, and Mr. Carl Faelton, director of the New England Conservatory of Music, of Boston. She also studied several years under the distinguished teacher, Heinrich Bart, of Berlin. She spent one year in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddle's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Elizabeth Johnston, a graduate of Geneva College (Scientific Course). She was a pupil of Miss Waddle. Miss Johnston has had twelve years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSE OF STUDY

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. *Introductory Course.*—This course is open to those who wish to study music, but do not desire to graduate. No previous knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. Diploma Course.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, Etudes op. 10 and op. 25, Chopin, Kessler, Liszt, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Prizes: A Prize of Ten Dollars will be awarded to the student making the most advancement in Piano work during the year. This prize is given by Mrs. Matilda Richie Fisher (Class of '99), of New Castle.

Rules and Regulations.—Bills are payable the beginning of the term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

RATES

A term consists of ten weeks.

	Lessons per week	
	One	Two
Piano (Primary)	\$ 7.50	\$10.00
" (Intermediate)	10.00	15.00
" With Director (Private)	20.00	35.00
" " " Class (two in class) each.....	12.00	20.00
Harmony, in class	5.00	10.00
History of Music	5.00	10.00

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt, of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronounced him to be the greatest Choral Conductor he had met in his travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading church singers and teachers of Pittsburgh and district being represented as artist pupils in Concert, Church and Oratoria. He will teach at Geneva College on Wednesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel, Part I. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel, Part I and 2. Tone modulation and color, flexibility, staccato, expression and phrasing. Songs, Cycles and Oratoria Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of ten weeks: One lesson weekly, \$30.00.

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

Preparatory

Grade A: Position. Simple bowings, legato, staccato, forearm movement, wrist flexibility. Intonation, Finger exercises. Scales, first position, all keys. Selected studies; time rhythm. Hoffman, Wohlfahrt, etc. Easy selections.

Grade B: Wrist development. Special bowings; martele, spiccato. Arpeggio studies. Diminished-seventh chord. Simple double-stopping. Chromatic scales. Intonation. Second, third, fourth, fifth, sixth and seventh positions. Selected studies in all positions. Wohlfahrt, Schoen, Kayser. Selections; sonatinas, students' concertos.

Grade C: Complex wrist exercises. Special bowing, saltato, staccato, Viotti, Kreutzer and Paganini strokes. Trills. Complex finger exercises. Scales two and three octaves. Arpeggios, all keys, from memory. Scales in thirds, sixths, octaves and tenths. Positions reviewed, David school. Selected studies, Mazas, Dont Op. 20 and Op. 24. Selections, sonatas, concertos from memory.

Advanced

Grade 1: Complete technical review. Selected exercises, Sevcik, David, Sauret. Scales in double-stops; thirds, sixths, octaves, tenths. Kreutzer Etudes. Fiorilli Etudes begun. Concertos by Viotti, Kreutzer, Rode, Sonatas, selected compositions.

Grade 2: Special technical studies; harmonics. Single, double; left hand pizzicato. Fiorillo Etudes completed. Rode Etudes begun. Concertos by Viotti, Rode, Spohr. Solo sonatas by Corelli. Sonatas by Mozart, Beethoven. Selected composition. Recitals.

Grade 3: Rode Etudes completed. Rovelli Etudes begun. Concertos by Spohr, Wieniawski, Mendelssohn. Sonatas by Beethoven, Grieg, Sinding, Brahms, Franck. Solo sonatas by Handel, Tartini.

Grade 4: Rovelli Etudes. Gavinie's Etudes. Concertos by Vieuxtemps, Mozart, Bach, Bruch. Repertoire.

Post-Graduate

Grade 5: Dont Gradus ad Parnassum. Selected studies 20 grades. Etudes by Sauret. Concertos by Brahms, Saint Saens, Raff. Repertoire.

Grade 6: Selected studies from the Paganini Etudes. Bach solo sonatas. Concertos by Tschaikowsky, Elgar. Repertoire; modern and contemporary composers.

For graduation the study of piano, harmony, counterpoint, musical history, musical appreciation, musical analysis is required.

For the post-graduate course instrumentation and conducting are required.

Term of ten weeks—one lesson per week, \$20.00; two lessons per week, \$40.00.

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

ARCHIBALD A. JOHNSTON, A. M., B. D.

Acting President of the College

M. CAROTHERS McCONAGHA, A. B., B. E.

Director

B. E., National School of Oratory; University of Chicago;

University of Michigan

Public Speaking

MARY N. PORTER, A. M.

University of Michigan

English

HARRY H. WYLIE, Ph. D.

A. B., Muskingum College; A. M., Harvard University;

Ph. D., University of Chicago

Debating and Oratory

JOHN COLEMAN, A. M.

Debating Coach

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 24 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

One lesson per week	\$25.00
Two lessons per week	\$45.00
Three lessons per week	\$69.00
Lessons less than sixteen in number, \$1.75 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom —The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving "impressions * * * correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. *Extempore Speaking*.—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. *Dramatic Expression*.

a. Scene work—Original cuttings (ten-fifteen minute length). One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. *Story Telling*.—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. *Literary Interpretation*.

a. Shakespeare—two comedies, two tragedies, two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four lyrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. The Bible—Text: "Vocal and Literary Interpretation of the Bible," Curry.

6. *Excerpt Making*.—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than a Drama Expression). Arranging full evening recital (about one and one-half hours) a drama or novel.

7. *Recitals*.—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. *Teaching Problems*.—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

SUMMER SCHOOL

COLLEGE AND NORMAL SCHOOL DEPARTMENTS

FACULTY

A. A. JOHNSTON, A. M., B. D.
Acting President of the College

CHARLES M. LEE, A. M.
Director of Summer School

HARRY H. WYLIE, Ph. D.
Department of Education

MISS GYLA MacDOWELL, A. M.
Department of English

MRS. H. H. WYLIE, A. B.
French

WILLARD FINLEY, A. B.
Chemistry

J. B. CRAIG, A. B.
Mathematics

MISS ISABELLA STEWART, A. B.
Registrar

MRS. MARY McCONAGHA, A. B.
Department of Public Speaking

MISS EDNA GEORGE
Librarian

DAVID C. LOCKE, A. B.
Superintendent of Beaver County Schools

FRANK A. BARKLEY, A. B.
Principal of Freedom Schools

CHAS. F. BECKER, A. B.
Superintendent of Ellwood City Schools

EARL DAVIS

Principal of Moon Township Schools

A. D. DUNGAN

Principal of Aliquippa School

R. H. EDGAR

Principal of Conway School

MISS IDA M. HART, A. B.

Principal of Hoffman Public School, Philadelphia

S. W. LYONS, Ph. B.

Superintendent of New Brighton Schools

J. C. STUCHEL

Teacher in New Brighton High School

MRS. GEORGE WILSON

Teacher in College Hill School

FRANCES WADDLE, A. M.

Director of Music

EDWARD F. KURTZ

Violin

BESSIE JOHNSTON, B. S.

Piano

E. MAY GIRVAN

Local Treasurer

SUMMER SESSION

The Summer of 1920 was the fifth year the college has offered an opportunity to take college work during the summer. The work has been successful in every way. This work receives college credit and can be offered as part fulfillment of the requirements for a B. S. or an A. B. degree. It is particularly suited to those who teach during the winter and wish to do some college work during the summer; to high school graduates who wish to begin at once their college course and thus shorten the time necessary to complete it;

and to college students who want to make up required work or want to make it possible to graduate in three years. The summer work, taken in connection with the extension work offered during the regular year in the evenings and on Saturdays, makes it possible even for those not regularly enrolled in college to carry forward continuously throughout the year college work leading to a degree. In this way it becomes possible to secure a college education without losing time from regular employment and a fine opportunity is furnished to those who could not otherwise secure a college education.

Geneva College has served the educational interests of its vicinity for fifteen years by offering the use of its buildings for the conducting of a Normal School since the Summer of 1906. The college was urged to take over the management of the Normal School in 1909, and its healthy and continuous growth has proved that it serves a local need well in the training of teachers. Courses preparing for Provisional and Professional Certificates are regularly offered, and recognition has been secured from the State Department of Instruction so that Permanent Certificates may also be secured in the Normal Department of the Summer School. A special bulletin is issued in April to announce fully the courses offered. Application for this bulletin may be made to the Director, Geneva Summer School, Beaver Falls, Pa.

DEGREES AND HONORS CONFERRED

COMMENCEMENT, TUESDAY, JUNE 15th, 1920

Valedictory.....	John Clifford Mathews
Salutatory.....	Lawrence B. Gilmore
Honorable Mention.....	Reba Reuf, Ethel Lytle and George R. Boyd

Honorary Degrees

Doctor of Divinity.....	Charles Bell
Doctor of Divinity.....	Walter McCarroll
Doctor of Divinity.....	Andrew Jas. McFarland
Doctor of Divinity.....	Charles Merle de Aubigne
Doctor of Divinity.....	J. K. Robb
Doctor of Divinity.....	John Webster Springer
Doctor of Divinity.....	C. J. Williamson

Bachelor of Arts

Gertrude Rachael Alford	John Clifford Mathews
William Plummer Bell	Henry Easson McKelvy
Ruth Edna Brown	William Robert McKim
Leonard Stanley Duncan	Lillian Elizabeth Nair
Robert Galbraith Forbes	Alice Reid Patton
Lawrence Blair Gilmore	Reba Alberta Reuff
Marie E. Henderson	Mary Agnes Ryan
Jane Eleanor Johnstone	William Frederick Schutte
Paul M. Jordan	Walter Landis Smith
Raymond Patterson Joseph	Aurilla Rebeka Sterrett
Allurah McChesney Leslie	Karl Fife Sterrett
Ethel Margaret Lytle	Sara Ruth Swift
Donald K. Martin	Lena Mary Tommasson
Mary Eleanor Martin	

Bachelor of Science

Anna Mary Armstrong	Martha Warrick Hunter
George R. Boyd	Harry Campbell Johnston
Willard Lyle Finley	David Duane Mellon

Bachelor of Oratory

Mary Eleanor Martin	Chester Scott Nagel
William Frederick Schutte	

Certificate in Music

Alice Reid Patton	Dorothy Jeannette Pearce
Mildred Green	

COMMENCEMENT SPEAKER

REV. GEORGE ROBINSON, Ph. D.

REGISTER OF STUDENTS, 1920-1921

SCHOOL OF LIBERAL ARTS

SENIORS

Frances M. Aikin.....	Olathe, Kansas
Loyal P. Atwell.....	Beaver Falls, Pa.
Jean E. Barnes.....	East Brook, Pa.
Lemma Cecile Bell.....	Mt. Union, Iowa
Catherine Bert.....	Beaver Falls, Pa.
Beulah Betz.....	Rochester, Pa.
Thomas E. Bolivar.....	Beaver Falls, Pa.
Bessie Boyer.....	R. F. D. Beaver Falls, Pa.
Edith Copeland Brown.....	Petrolia, Pa.
Mary A. Cabeen.....	Blanchard, Iowa
Hannah Carson.....	455 Common St., Belmont, Mass.
Willard Glenn Conner.....	McDonald, Pa.
Foy Curry.....	Dunavant, Kansas
Eugene Curry.....	Dunavant, Kansas
Vera Fay Davis.....	Princeton, Ind.
Earl Davis.....	Beaver, Pa.
Grace Anetta Dodds.....	Beaver Falls, Pa.
Robert W. George.....	R. F. D. 2, Belle Center, Ohio
Herbert Gilchrist.....	Superior, Nebraska
Agnes Girvan.....	7th Ave., Beaver Falls, Pa.
Jane Golden.....	Glenfield, Pa.
Lillian Hensleigh.....	Winchester, Kansas
Arthur Jackson.....	5 Main St., New Brighton, Pa.
Helen Johnston.....	Rochester, Pa.
Mary Kennedy.....	College Ave., Beaver Falls, Pa.
Lois B. Kerr.....	Beaver Falls, Pa.
Mae E. Keys.....	Winchester, Kansas
Eunice Kohr.....	1435 Commercial Ave., Superior, Neb.
James Lutz.....	Beaver Falls, Pa.
Helen Isabel Lyons.....	1022 Clay St., Topeka, Kansas
Clyde McCarroll.....	1182 Woodycrest Ave., N. Y. City
George McCarroll.....	1182 Woodycrest Ave., N. Y. City
John McGown.....	Beaver Falls, Pa.
Jean McGown.....	Beaver Falls, Pa.
Robert H. McIsaac.....	Rochester Mills, Pa.
Hathaway Martin.....	College Hill, Beaver Falls, Pa.
Helen May.....	R. F. D. 2, Newberg, N. Y.
Mildred Milligan.....	617 Park St., Olathe, Kansas
James Mitchell.....	Mosgrove, Pa.
Bernice Partington.....	College Ave., Beaver Falls, Pa.
Esther Gladys Porter.....	1321 5th Ave., Beaver Falls, Pa.
W. Lawrence Patterson.....	Belle Center, Ohio
Mary Margaret Robb.....	Morning Sun, Iowa
Remo Robb.....	Beaver Falls, Pa.
Joseph Rowe.....	500 Jackson St., Rochester, Pa.

David B. Russell.....	Delhi, N. Y.
Daniel Stormont.....	Princeton, Ind.
Caroline Thel.....	Aliquippa, Pa.
Carl Albert Skoog.....	Conway, Pa.
Howard Temple.....	Woodlawn, Pa.

JUNIORS

Lois Aikin.....	Bellefontaine, Ohio
Rosomond Aikin.....	Bellefontaine, Ohio
Ralph Alexander.....	Walton, N. Y.
Charles Anderson.....	422 Houston St., Montgomery, Ala.
Ralph Axtell.....	R. F. D. 8, Mercer, Pa.
David Armstrong.....	Morning Sun, Iowa
Stella Bauer.....	Chicora, Pa.
Floyd Carson.....	Oakdale, Ill.
Sarah Clyde.....	3113 6th Ave., Beaver Falls, Pa.
Everett Cummings.....	Morning Sun, Iowa
Paul Daubenspeck.....	Bruin, Pa.
Myra Edgar.....	Morning Sun, Iowa
Renwick Galbraith.....	New Castle, Pa.
Ruth Gillespie.....	Marissa, Ill.
Mabel Hamer.....	1103 10th St., New Brighton, Pa.
John L. Harr.....	2902 5th Ave., Beaver Falls, Pa.
John Paul Jones.....	Beaver, Pa.
Conn Kennedy.....	College Ave., Beaver Falls, Pa.
Margaret Lee.....	222 W. Grant St., Clarinda, Iowa
Elizabeth Lee.....	222 W. Grant St., Clarinda, Iowa
Lillian Lowans.....	2823 4th Ave., Beaver Falls, Pa.
Eileen Lowans.....	2823 4th Ave., Beaver Falls, Pa.
Fred Loeffler.....	3701 2nd Ave., Beaver Falls, Pa.
John McBurney.....	Cannonsburg, Pa.
Richard McCreary.....	Volant, Pa.
Paul McCracken.....	West Sunbury, Pa.
Edna McEwin.....	Pittsburgh, Pa.
Seeley Noggle.....	New Galilee, Pa.
Mabel Patterson.....	Belle Center, Ohio
Lois Patterson.....	East Brook, Pa.
Dorothy Pearce.....	3115 5th Ave., Beaver Falls, Pa.
Ruth Rodgers.....	Jackson Center, Pa.
Sara Self.....	4th Ave., Beaver Falls, Pa.
John Sterrett.....	Clay Center, Kansas
Waldo Tippen.....	R. F. D. 4, Miltonville, Kansas
Eleanor Ward.....	Crafton, Pa.
Margaret Washabaugh.....	Cannonsburg, Pa.
Hester Wilson.....	325 E. Loula St., Olathe, Kansas
Paul White.....	Winchester, Kansas

SOPHOMORES

Howard Baird	Morning Sun, Iowa
Eleanor Barnes.....	East Brook, Pa.
Margaret Beattie.....	New Alexandria, Pa.
Ford Boucher.....	Beaverdale, Pa.
Hariett Calhoun.....	New Brighton, Pa.

Marietta Carson.....	Eskridge, Kansas
Ellen Clark.....	Charleroi, Pa.
Grace Clyde.....	Beaver Falls, Pa.
Luciles Cumberland.....	Karns City, Pa.
Margaret Cummings.....	Morning Sun, Iowa
Elizabeth Cunningham.....	New Brighton, Pa.
Clarence Duncan.....	New Galilee, Pa.
Alvin Edgar.....	R. F. D. 2, Morning Sun, Iowa
Leonard Elliott.....	R. F. D. 3, Superior, Nebraska
Sarah Ewing.....	233 W. Madison St., Rochester, Pa.
Earl Forney.....	Rea, Pa.
Hazel Foster.....	305 W. 29th St., New York City
Jessie Galton.....	R. F. D. 2, Beaver Falls, Pa.
Carrie Gatti.....	New Galilee, Pa.
Raymond Hawk.....	835 4th Ave., Beaver Falls, Pa.
Mary Hays.....	4th Ave., Beaver Falls, Pa.
Milford Hays.....	Mediapolis, Iowa
Elizabeth Henning.....	516 Pine St., Birmingham, Mich.
Helen Hoon.....	126 Market St., Mercer, Pa.
Gentry Hosack.....	Belle Center, Ohio
Everitt Laird.....	New Sheffield, Pa.
Clara McDonald.....	Birmingham, Mich.
Margaretta McElwain.....	Rose Point, Pa.
Archibald McIsaac.....	Rochester Mills, Pa.
Ralph McKelvy.....	Hetherton, Mich.
Carl McLaren.....	478 Lincoln Ave., Beaver, Pa.
Laura Marquis.....	Beaver, Pa.
Earl Metzgar.....	Beaver Falls, Pa.
Flora Miller.....	4th Ave., Beaver Falls, Pa.
T. E. Miller.....	Mercer, Pa.
Alice Pearce.....	5th Ave., Beaver Falls, Pa.
J. W. Pollins.....	Greensburg, Pa.
Emma Rank.....	915 4th Ave., Beaver Falls, Pa.
Agnes Paff.....	1126 6th Ave., Beaver Falls, Pa.
George Russell.....	701 5th Ave., New Brighton, Pa.
Catherine Snodgrass.....	7th Ave., Beaver Falls, Pa.
George Stewart.....	Batavia, Ohio
Lytle Stormont.....	Princeton, Ind.
George Thomas.....	Beaver Falls, Pa.
Wm. Mac. Thompson.....	203 31st, Mercer, Pa.
Eugene Uptegraph.....	Beaver, Pa.
Mary Wallace.....	Beaver Falls, Pa.
Sarah Wells.....	1817 Penn Ave., New Brighton, Pa.
Elizabeth Whiteside.....	1385 5th Ave., Beaver Falls, Pa.
Arthur Wilson.....	Ellwood, Pa.
Erma Willson.....	Morning Sun, Iowa
Leslie Willson.....	Morning Sun, Iowa
George Willson.....	Ellwood City, Pa.
Helen Zahnizer.....	Mercer, Pa.

FRESHMEN

Samuel Appleyard.....	Beaverdale, Pa.
Geneva Alexander.....	Greeley, Colo.

Clarence Axtell.....	R. F. D. 8, Mercer, Pa.
Mary Ellen Bell.....	Ellwood City, Pa.
Margaret Brown.....	Petrolia, Pa.
Wilson Brown.....	228 Jefferson St., Rochester, Pa.
Ralph Bruce.....	1115 4th Ave., Beaver Falls, Pa.
Andrew Calhoon.....	New Brighton, Pa.
Harold Calhoon.....	3316 8th Ave., Beaver Falls, Pa.
Omar Craig.....	533 12th Ave., New Brighton, Pa.
Paul Curry.....	Dunavant, Kansas
Margaret Davis.....	Darlington, Pa.
Mildred Davis.....	Princeton, Pa.
Dorothy Denise.....	230 Irwin Ave., Bellevue, Pa.
James Dodds.....	Walden, N. Y.
McLeod Dodds.....	Beaver Falls, Pa.
Mabel Drew.....	Ellwood City, Pa.
Helen Edgar.....	Morning Sun, Iowa
Clifford Elliott.....	Superior, Nebraska
Edward Elsey.....	Glenwood, Minnesota
Kenneth Fox.....	Ellwood City, Pa.
Edwin French.....	Ellwood City, Pa.
Merle Frick.....	New Brighton, Pa.
Elizabeth Fullerton.....	Beaver Falls, Pa.
Arthur Fulton.....	7th Ave., Beaver Falls, Pa.
Gertrude Gibson.....	College Hill, Beaver Falls, Pa.
Arthur Grant.....	Evans, Colorado
Harry Gaulin.....	Beaver Falls, Pa.
Elizabeth Gray.....	921 King St., Selma, Ala.
Wm. Green.....	Woodlawn, Pa.
Emanuel Hicks.....	Beaver Falls, Pa.
Wm. Heazlett.....	Wilkinsburg, Pa.
Mary Hemphill.....	10th Ave., Beaver Falls, Pa.
Benjamin Heckert.....	Morganza, Pa.
George Hilderbrand.....	130 Irwin Ave., Ben Avon, Pa.
James Hudson.....	Irwin, Pa.
Sarah Huheey.....	R. F. D. 5, Batavia, Ohio
Edward Huheey.....	R. F. D. 5, Batavia, Ohio
May Hutchison.....	Beaver, Pa.
Elizabeth Jernberg.....	Monaca, Pa.
Jennie Kirk.....	McDonald, Pa.
Fay Klingelhoef.....	Beaver, Pa.
Grace Kramer.....	New Brighton, Pa.
Harold Krotzer.....	Beaver, Pa.
Margaret Jean Lathom.....	Princeton, Ind.
Samuel Lathom.....	Princeton, Ind.
Chester Lawrence.....	Beaver Falls, Pa.
Kenneth Luney.....	Oakdale, Ill.
Helen McClymonds.....	Ellwood City, Pa.
Elmer McGrew.....	Beaver Falls, Pa.
Catherine Marshall.....	Rochester, Pa.
Ruth Mechlin.....	Smith's Ferry, Pa.
Frank Nair.....	8th Ave., Beaver Falls, Pa.
Wm. Nick.....	Monaca, Pa.
George Pangburn.....	Beaver Falls, Pa.
Wm. R. H. Patterson.....	Belle Center, Ohio

Howard Patterson.....	Belle Center, Ohio
James Russell Phillips.....	Washington, Pa.
Lillie Redpath.....	Olathe, Kansas
Charles Relph.....	Ellwood City, Pa.
Charles Rice.....	Sewickley, Pa.
Hazel Rodgers.....	Ellwood City, Pa.
Meyer Rosenberg.....	Beaver Falls, Pa.
Raymond F. Rowe.....	East Rochester, Pa.
Helen Russell.....	Delhi, N. Y.
Helen Ryan.....	Monessen, Pa.
Wm. Sager.....	New Brighton, Pa.
Leland Schachern.....	Monaca, Pa.
Dewitt Snodgrass.....	7th Ave., Beaver Falls, Pa.
Ralph Smith.....	Beaver Falls, Pa.
Bruce Schmunk.....	Beaver, Pa.
Howard Schlumph.....	Sewickley, Pa.
Wm. Simpson.....	Parnassus, Pa.
Alta Schultz.....	McKeesport, Pa.
Clifford Smith.....	Woodlawn, Pa.
Ester Snyder.....	East Brook, Pa.
Morgan Sohn.....	Woodlawn, Pa.
Isabel Templeton.....	Belle Center, Ohio
Julia Tilp.....	Beaver Falls, Pa.
Corene Thompson.....	Karns City, Pa.
Frederick Trelfall.....	Wampum, Pa.
Ralph Wagner.....	Beaver Falls, Pa.
Robert Ward.....	Crafton, Pa.
Dell Wickerham.....	Belle Center, Ohio
Donald Wickerham.....	Belle Center, Ohio
Margaret Wilkerson.....	6th Ave., Beaver Falls, Pa.
Edwin Wilson.....	Canonsburg, Pa.
Donald Wilson.....	3513 5th Ave., Beaver Falls, Pa.
Malcom Wilson.....	Ellwood City, Pa.
James S. Wilson.....	Sparta, Ill.
Gladys Woods.....	Ellwood City, Pa.
Eugene Young.....	Woodlawn, Pa.
Frank Zinke.....	Monaca, Pa.

EXTENSION DEPARTMENT

Frances Kathryn Adams.....	Ellwood City, Pa.
Edna Bauer.....	R. F. D. 3, Chicora, Pa.
Helen Bentley.....	Park Place, Beaver Falls, Pa.
Mary Bookamer.....	Ellwood City, Pa.
Thomas E. Bolivar.....	Zelienople, Pa.
Mrs. Fred Boyle.....	Beaver Falls, Pa.
Mrs. James Boylin.....	Beaver Falls, Pa.
Jennie Braden.....	Beaver, Pa.
Mrs. Ford Branden.....	Beaver Falls, Pa.
Mrs. R. O. Brigham.....	Beaver Falls, Pa.
Mrs. Zoe Brooks.....	3110 4th Ave., Beaver Falls, Pa.
John L. Brown.....	837 12th St., New Brighton, Pa.
Lillian Buffington.....	Beaver, Pa.
Ada B. Cochran.....	323 Wayne Ave., Ellwood City, Pa.

Charles E. Cole.....	670 Bank St., Beaver, Pa.
Anna K. Conrad.....	Vanport, Pa.
Mary E. Cook.....	424 5th St., Beaver, Pa.
Leola Crider.....	Beaver Falls, Pa.
James Cromlie.....	1417 4th Ave., Beaver Falls, Pa.
Mrs. W. P. Cunningham.....	3125 6th Ave., Beaver Falls, Pa.
Eben D. Davidson.....	223 Insurance, Beaver, Pa.
Earl Davis.....	Beaver, Pa.
Bess Demorest.....	3121 6th Ave., Beaver Falls, Pa.
Tony Derose.....	1410 5th Ave., Beaver Falls, Pa.
Glenn Dodds.....	455 Insurance St., Beaver, Pa.
A. D. Dungan.....	Aliquippa, Pa.
Mildred Dunn.....	3714 2nd Ave., Beaver Falls, Pa.
E. May Edgar.....	Beaver Falls, Pa.
R. H. Edgar.....	341 East End Ave., Beaver, Pa.
Matilda Edmond.....	Virginia Ave., Midland, Pa.
Mrs. Bert Edwards.....	3512 7th Ave., Beaver Falls, Pa.
Mrs. Madeline Evans.....	Beaver Falls, Pa.
Helen Foxall.....	3224 5th Ave., Beaver Falls, Pa.
Mrs. Charles Frederick.....	Beaver Falls, Pa.
Mrs. Samuel Frederick.....	1207 5th Ave., Beaver Falls, Pa.
Darrell Frick.....	908 11th St., New Brighton, Pa.
Gladys Garvin.....	243 7th Ave., Beaver Falls, Pa.
Isabella Gaub.....	630 Park Ave., Ellwood City, Pa.
Nineveh Ruth Gaub.....	Ellwood City, Pa.
Ernest Giltner.....	Beaver Falls, Pa.
Mazie Glover.....	3315 5th Ave., Beaver Falls, Pa.
Jean Gordon.....	381 Ohio Ave., Rochester, Pa.
Chris W. Gotjen.....	R. F. D. 1, New Castle, Pa.
Edward J. Gratz.....	1412 3rd Ave., Beaver Falls, Pa.
Hazel A. Gray.....	1427 8th Ave., Beaver Falls, Pa.
Caroline Griffin.....	249 College Ave., Beaver, Pa.
Paul Grine.....	Beaver, Pa.
Donald L. Hall.....	Vanport, Pa.
Jean Hays.....	Beaver Falls, Pa.
James Heazlett.....	Monaca, Pa.
Blanche Hoyt.....	413 34th St., Beaver Falls, Pa.
Josephine Hoyt.....	Beaver Falls, Pa.
Mary Inglefield.....	936 Turnpike St., Murdocksville, Pa.
Mrs. Louis Ingram.....	6th Ave., Beaver Falls, Pa.
Jeanette Johnston.....	715 15th St., Beaver Falls, Pa.
Grace Kent.....	1919 6th Ave., Beaver Falls, Pa.
Hazel Kline.....	Beaver Falls, Pa.
Grace Kramer.....	1020 8th Ave., New Brighton, Pa.
James Lathom.....	Princeton, Ind.
Mabel Long.....	2907 5th Ave., Beaver Falls, Pa.
Linnie Long.....	3007 College Ave., Beaver Falls, Pa.
Mrs. Herbert Lunt.....	Beaver Falls, Pa.
Armenia Lyon.....	R. F. D. 1, Hookstown, Pa.
Grace Lyons.....	Industry, Pa.
Isabel McConagha.....	Beaver Falls, Pa.
Paul McConnel.....	652 Bank St., Beaver, Pa.
Mrs. Sidney McCormick.....	3219 4th Ave., Beaver Falls, Pa.
Robert McCullough.....	938 Turnpike, Beaver, Pa.

Paul McIlwain.....	513 4th St., Ellwood City, Pa.
Eva McKee.....	2nd Ave., Beaver Falls, Pa.
Beulah Mackall.....	Georgetown, Pa.
Ralph Main.....	408 Franklin Ave., Ellwood City, Pa.
Agnes Mannion.....	1839 5th Ave., Beaver Falls, Pa.
Francis Mannion.....	1204 Third Ave., Beaver Falls, Pa.
Helen Mannion.....	1839 5th Ave., Beaver Falls, Pa.
Josephine Manniz.....	Darlington, Pa.
Thelma Martin.....	612 21st St., Beaver Falls, Pa.
Olive Metheny.....	434 5th St., Beaver, Pa.
Adeline Mathmiller.....	528 E. Madison, St., Rochester, Pa.
Margaret Mecklin.....	108 5th St., Ellwood City, Pa.
Pearl Meeter.....	1001 10th St., New Brighton, Pa.
Margaret Metheny.....	3315 5th Ave., Beaver Falls, Pa.
Irene Miller.....	Bridgewater, Pa.
Elizabeth Morgan.....	Hookstown, Pa.
Isabel Morrison.....	Wayne Ave., Ellwood City, Pa.
Katherine Morrison.....	Wayne Ave., Ellwood City, Pa.
Helen Morrow.....	Shippingpoint, Pa.
Norman Mortenson.....	Ellwood City, Pa.
Marie Murphy.....	Midland, Pa.
Charles Nardon.....	Koppel, Pa.
Frank Naugle.....	2629 College Ave., Beaver Falls, Pa.
Robert Neeley.....	612 12th St., New Brighton, Pa.
Christopher Palmer.....	619 Lawrence St., Ellwood City, Pa.
Frances Patterson.....	College Ave., Beaver, Pa.
Margaret Patterson.....	College Ave., Beaver, Pa.
Martha Payne.....	Slippery Rock, Pa.
Joseph Periello.....	Koppel, Pa.
Jennet Pearce.....	3319 Fifth Ave., Beaver Falls, Pa.
Vern Phillis.....	Industry, Pa.
Maisie Potts.....	3326 4th Ave., Beaver Falls, Pa.
Margaret Price.....	814 Case St., Rochester, Pa.
Loyd Randolph.....	612 4th St., Ellwood City, Pa.
Frederick Ransom.....	Beaver Falls, Pa.
Mrs. Frederick Ransom.....	Beaver Falls, Pa.
Elsie Rayle.....	Beaver Falls, Pa.
Helen Rearwick.....	Beaver Falls, Pa.
Howard Reed.....	Beaver Falls, Pa.
Mildred Reader.....	Rochester, Pa.
Gwendolin Rhodes.....	3604 5th Ave., Beaver Falls, Pa.
Marjorie Richardson.....	417 32nd St., Beaver Falls, Pa.
Raymond Robertson.....	Hookstown, Pa.
Mrs. Roxie Robinson.....	Beaver Falls, Pa.
Mary Roney.....	Beaver Falls, Pa.
Willa Runyan.....	323 Franklin Ave., Ellwood City, Pa.
Bessie Runyan.....	527 4th St., Ellwood City, Pa.
Sara Self.....	3504 4th St., Beaver Falls, Pa.
Mabel Shilito.....	302 32nd St., Beaver Falls, Pa.
Veranica Shanniski.....	Beaver Ave., Midland, Pa.
Dorothy Seanor.....	900 9th Ave., Beaver Falls, Pa.
Sarah Sheler.....	512 Penn Ave., New Brighton, Pa.
Mary Snyder.....	147 Monroe St., Rochester, Pa.
Arthur Stark.....	1605 6th Ave., Beaver Falls, Pa.

Mary Stewart.....	203 Cedar St., Sharon, Pa.
Marie Strub.....	922 11th St., Beaver Falls, Pa.
Lula Sutton.....	R. F. D. 2, West Sunbury, Pa.
Gladys Symington.....	3401 5th Ave., Beaver Falls, Pa.
Mary Thomas.....	3600 6th Ave., Beaver Falls, Pa.
Lena Thorneburg.....	R. F. D. 1, Murdocksville, Pa.
Margaret Tommasson.....	Eastvale, Pa.
Helen Wallis.....	831 7th Ave., New Brighton, Pa.
Bess Ward.....	O'Shanter, Pa.
Charles Weiss.....	1507 2nd Ave., Beaver Falls, Pa.
Eulalie Whitehill.....	Hookstown, Pa.
Lucie Wilson.....	3320 5th Ave., Beaver Falls, Pa.
Thomas Wilkinson.....	Beaver Falls, Pa.
Mary Wilson.....	415 32nd St., Beaver Falls, Pa.
Clair Werstell.....	729 4th St., Beaver, Pa.
Irene Yount.....	Midland, Pa.

SUMMER SCHOOL COLLEGE DEPARTMENT 1920

Jean Barnes.....	Eastbrook, Pa.
Freda Stella Bauer.....	Chicora, Pa.
Thomas E. Bolivar.....	Zelienople, Pa.
Edith Brown.....	Petrolia, Pa.
Paul Daubenspeck.....	Bruin, Pa.
Carl Duncan.....	Darlington, Pa.
Archie Dungan.....	Box 22, Aliquippa, Pa.
R. H. Edgar.....	341 East End Ave., Beaver, Pa.
Sarah Ewing.....	Rochester, Pa.
Robert Forbes.....	2829 4th Ave., Beaver Falls, Pa.
Helen Gaitsch.....	608 Allegheny Ave., Aliquippa, Pa.
Carrie Gatti.....	New Galilee, Pa.
Lydia Gladys Garvin.....	2431 7th Ave., Beaver Falls, Pa.
Robert George.....	Belle Center, Ohio
Harry Jacobs.....	1101 Beaver Ave., Midland, Pa.
Lois Kerr.....	Beaver Falls, Pa.
Grace Kramer.....	1020 8th Ave., New Brighton, Pa.
Helen May.....	Newberg, N. Y.
John McGown.....	1000 5th Ave., Beaver Falls, Pa.
Hugh McMullen.....	Beaver Falls, Pa.
Bernice Partington.....	Beaver Falls, Pa.
Frank Reed.....	New Brighton, Pa.
Mildred Reader.....	410 Reno St., Rochester, Pa.
Nicholas Richards.....	2832 5th Ave., Beaver Falls, Pa.
Mary Roney.....	1116 Fifth Ave., Beaver Falls, Pa.
Sarah Self.....	3224 College Ave., Beaver Falls, Pa.
Carl Skoog.....	Conway, Pa.
Daniel L. Stormont.....	Princeton, Ind.
Mary Thomas.....	3600 6th Ave., Beaver Falls, Pa.
Paul White.....	Winchester, Kansas
Mary Wallace.....	Beaver Falls, Pa.
Sarah Wells.....	1617 Penn Ave., New Brighton, Pa.

SCHOOL OF MUSIC

Piano Department

Bauer, Dorothy.....	College Hill, Pa.
Bernadette, Bedore.....	Beaver Falls, Pa.
Bentley, Jean.....	Beaver Falls, Pa.
Beight, Wilda.....	Beaver Falls, Pa.
Best, Eva.....	Beaver Falls, Pa.
Boyer, Bessie.....	Beaver Falls, Pa.
Brunell, Sara.....	Beaver Falls, Pa.
Brown, Lolla.....	Beaver Falls, Pa.
Brigham, Ruth.....	Beaver Falls, Pa.
Beanden, Bettu.....	Beaver Falls, Pa.
Busse, Josephine.....	Beaver Falls, Pa.
Craig, Hazel.....	Beaver Falls, Pa.
Cope, Alice.....	Beaver Falls, Pa.
Campbell, Richard.....	Beaver Falls, Pa.
Caplan, Sadie.....	Beaver Falls, Pa.
Connelly, Theressa.....	Beaver Falls, Pa.
Daniels, Esther.....	Beaver Falls, Pa.
Edwards, Alice.....	Beaver Falls, Pa.
Eicholtz, Marie.....	Beaver Falls, Pa.
Elsy, Mildred.....	New Galilee, Pa.
Farmer, Edith.....	Beaver Falls, Pa.
Fry, Helen.....	Ellwood City, Pa.
Fry, Florence.....	Beaver Falls, Pa.
Fry, Elizabeth.....	Beaver Falls, Pa.
Fistell, Mary.....	Beaver Falls, Pa.
Gonnely, Lucile.....	Beaver Falls, Pa.
Girvan, Agnes.....	Beaver Falls, Pa.
Grapp, Elsie.....	Homewood, Pa.
Goettman, Naomi.....	New Brighton, Pa.
Grinn, Luella.....	Book House Run, Pa.
Harvey, Blanch.....	New Brighton, Pa.
Hendrich, Ida.....	Beaver Falls, Pa.
Hervey, Katherine.....	Beaver Falls, Pa.
Holton, Madeline.....	Beaver Falls, Pa.
Hennon, Rebecca.....	Wampum, Pa.
Hough, Mildred.....	Beaver Falls, Pa.
Harris, Gale.....	Oakdale, Pa.
Huneter, Ruth.....	Beaver Falls, Pa.
Huff, Vergene.....	Beaver Falls, Pa.
Hunter, Margaret.....	Beaver Falls, Pa.
Hedwig, Jane.....	Beaver Falls, Pa.
Huston, Ina.....	Negley, Ohio
Koach, Elma.....	New Brighton, Pa.
Krima, Dorothy.....	New Castle, Pa.
Kelso, Rachel.....	Beaver Falls, Pa.
Kennedy, Mary.....	College Ave., Beaver Falls, Pa.
Latto, Jesse.....	Beaver Falls, Pa.
Lowans, Lillian.....	2823 4th Ave., Beaver Falls, Pa.
Mitchell, Dorothy.....	College Hill, Beaver Falls, Pa.
Mathews, Anna.....	Beaver Falls, Pa.

Miller, Elizabeth.....	Beaver Falls, Pa.
Miller, Ruth.....	Beaver Falls, Pa.
Miller, Mildred.....	Beaver Falls, Pa.
Michael, Clara.....	Beaver Falls, Pa.
Mellon, Mary Bell.....	Beaver Falls, Pa.
Myers, Leah.....	Beaver Falls, Pa.
McDanel, Jean.....	Beaver Falls, Pa.
McDonald, Mary Kate.....	Beaver Falls, Pa.
McClane, Alice.....	Beaver Falls, Pa.
McCullough, Clara.....	New Brighton, Pa.
McConnack, Alma.....	Beaver Falls, Pa.
McConagha, Isabel.....	College Hill, Beaver Falls, Pa.
Pennington, George.....	Oakdale, Pa.
Potter, Rebecca.....	New Galilee, Pa.
Poucher, Sara.....	Beaver Falls, Pa.
Palmer, Gregory.....	Beaver Falls, Pa.
Palmer, Roland.....	Beaver Falls, Pa.
Russell, Magdeline.....	College Hill, Beaver Falls, Pa.
Redinbaugh, Margaret.....	Beaver Falls, Pa.
Richards, Dorothy.....	Beaver Falls, Pa.
Rogers, Hazel.....	Ellwood City, Pa.
Stein, Bessie.....	Beaver Falls, Pa.
Schultz, Alta.....	McKeesport, Pa.
Starr, Marian.....	Beaver Falls, Pa.
Shaal, Lola.....	Beaver Falls, Pa.
Seanor, Dorothy.....	Beaver Falls, Pa.
Seanor, Margaret.....	Beaver Falls, Pa.
Shillito, Helen.....	Beaver Falls, Pa.
Shugert, Louise.....	Beaver Falls, Pa.
Stead, Verna.....	Beaver Falls, Pa.
Snodgrass, Emma.....	Beaver Falls, Pa.
Sterrett, Sara.....	College Hill, Beaver Falls, Pa.
Starke, Edna Bell.....	Beaver Falls, Pa.
Shriner, Leta.....	Beaver Falls, Pa.
Shrina, Lela.....	Beaver Falls, Pa.
Sweet, Norine.....	New Brighton, Pa.
Stormont, Mary.....	Princeton, Ind.
Shabbett, Elizabeth.....	Beaver Falls, Pa.
Schruckron, Joseph.....	Beaver Falls, Pa.
Taggart, Ruth.....	Beaver Falls, Pa.
Telford, Margaret.....	Beaver Falls, Pa.
Tims, Alma.....	Beaver Falls, Pa.
Taylor, Elizabeth.....	Mahoningtown, Pa.
Ward, Louisa.....	Beaver Falls, Pa.
Walsh, Grace.....	Beaver Falls, Pa.
Walsh, Bertha.....	Beaver Falls, Pa.
Wylie, Alice.....	Beaver Falls, Pa.
Wright, Margaret.....	New Galilee, Pa.
Washabaugh, Margaret.....	Canonsburg, Pa.
Zittsman, Georgia.....	Beaver Falls, Pa.

Violin Department

Allison, Roy.....	Oakville, Pa.
Anderson, Thomas.....	Beaver Falls, Pa.

Calhoun, Andrew.....	New Brighton, Pa.
Caplan, Rose.....	Beaver Falls, Pa.
Conley, Clare.....	College Hill, Pa.
Darby, William.....	College Hill, Pa.
Davidson, Alexander.....	Geneva Hill, Pa.
Douds, Ned.....	Beaver Falls, Pa.
Gill, Joseph.....	New Brighton, Pa.
Gill, Ruth.....	New Brighton, Pa.
Goehring, Arthur.....	Beaver Falls, Pa.
Goehring, Blanche.....	Beaver Falls, Pa.
Haberfeldt, Harold.....	College Hill, Pa.
Hemmiger, Adella.....	Patterson Heights, Pa.
Linder, Elizabeth.....	Beaver Falls, Pa.
Madden, James.....	New Galilee, Pa.
McCollough, Effie.....	Chicora, Pa.
Mitchell, James.....	Rehobeth, Pa.
Morris, Hartley.....	Beaver Falls, Pa.
Morrison, William.....	Beaver Falls, Pa.
Pennington, Ben.....	Oakville, Pa.
Phillip, Bernice.....	Beaver Falls, Pa.
Ripper, Paul.....	New Brighton, Pa.
Robinson, James.....	Beaver Falls, Pa.
Schramm, Floyd.....	New Brighton, Pa.
Starr, George.....	College Hill, Pa.
Stein, Louis.....	Beaver Falls, Pa.
Sweet, Dorene.....	New Brighton, Pa.
White, John.....	College Hill, Pa.
Zrebeic, Anna.....	Beaver Falls, Pa.

Vocal Department

Carothers, Margaret.....	Beaver Falls, Pa.
Clark, Mrs. D. M.....	Beaver Falls, Pa.
Daubenspeck, Paul.....	Bruin, Pa.
Ewing, Sarah.....	Rochester, Pa.
Henderson, Opal.....	Beaver Falls, Pa.
Martin, Hathaway.....	Beaver Falls, Pa.
Pearce, Alice.....	Beaver Falls, Pa.
Peaice, Dorothy.....	Beaver Falls, Pa.
Stormont, Daniel.....	Princeton, Ind.
Stewart, George.....	Batavia, Ohio
Patterson, Lois.....	East Brook, Pa.
Ryan, Helen.....	Monessen, Pa.
Schultz, Alta.....	McKeesport, Pa.

DEPARTMENT OF PUBLIC SPEAKING

Anderson, Charles.....	422 Houston St., Montgomery, Ala.
Brown, Melba.....	Beaver Falls, Pa.
Brown, Margaret.....	Petrolia, Pa.
Davis, Margaret.....	Darlington, Pa.
Daubenspeck, Paul.....	Bruin, Pa.
Frederick, Dorothy.....	Beaver Falls, Pa.

Flinner, Vernon.....	Beaver Falls, Pa.
Forney, Earl.....	Rea, Pa.
George, Robert.....	Belle Center, Ohio
Gillespie, Ruth.....	Marissa, Ill.
Hays, Mary.....	Beaver Falls, Pa.
Hensleigh, Lillian.....	Winchester, Kansas
Jackson, Arthur.....	New Brighton, Pa.
Kerr, Lois.....	Beaver Falls, Pa.
Keys, Mae.....	Winchester, Kansas
Kramer, Grace.....	Beaver Falls, Pa.
Lutz, James.....	Beaver Falls, Pa.
Lytle, Robert.....	Beaver Falls, Pa.
Mitchell, Amencus.....	Beaver Falls, Pa.
Nagel, Seeley.....	New Galilee, Pa.
Robb, Margaret.....	Morning Sun, Iowa
Robb, Remo.....	Beaver Falls, Pa.
Schwenk, Eleanor.....	Beaver Falls, Pa.
Snyder, Esther.....	East Brook, Pa.
Thel, Caroline.....	Aliquippa, Pa.
Thomas, Mary.....	Beaver Falls, Pa.
Wise, Sara.....	Zelienople, Pa.
Wallace, Mary.....	Beaver Falls, Pa.
White, Paul.....	Winchester, Kansas

In addition to the 108 students who are taking Public Speaking in the School of Liberal Arts the above students are enrolled as private students in the Department of Public Speaking.

SUMMER SCHOOL NORMAL DEPARTMENT 1920

Allison, Esther.....	Hookstown, Pa.
Ammon, Mary.....	Industry, Pa.
Anderson, Olive.....	Sixth St., Beaver, Pa.
Armstrong, Hazel.....	Beaver, Pa.
Barnes, Maree E.....	616 Corporation St., Beaver, Pa.
Barr, Mabel.....	R. F. D. 1, Freedom, Pa.
Birnesser, Anna.....	1408 4th Ave., Beaver Falls, Pa.
Blackburn, Hazel E.....	469 Corporation St., Beaver, Pa.
Braden, Naomi.....	Georgetown, Pa.
Brunton, Ruth.....	1099 Turnpike St., Beaver, Pa.
Buffington, Lillian.....	570 Fifth Street, Beaver, Pa.
Burkhart, Helen M.....	919 Indiana Avenue, Monaca, Pa.
Burroughs, Sara E.....	Conway, Pa.
Bell, Mabel.....	New Sheffield, Pa.
Calhoun, Maude.....	Georgetown, Pa.
Coene, Margaret.....	608 Eighth Street, New Brighton, Pa.
Cole, Mabelle.....	1122 Tenth Avenue, Beaver Falls, Pa.
Collins, Bessie Iola.....	Ellwood City, Pa.
Collins, B. Wilda.....	Ellwood City, Pa.
Coombs, Ruth M.....	211 Eleventh Street, Monaca, Pa.
Couch, Alice.....	1703 Fourth Avenue, New Brighton, Pa.
Courtney, Mildred.....	West Bridgewater, Pa.
Craft, Jessie.....	R. F. D. 1, Beaver Falls, Pa.
Crider, Leola J.....	Evans City, Pa.
Crozier, Myrna.....	5th Ave., Beaver Falls, Pa.

Dickey, Margaret	301 Third Street, New Brighton, Pa.
Duncan, Sara J.	Beaver, Pa.
Dunn, Laura	735 Penn Ave., New Brighton, Pa.
Eakin, Willimetta	R. D. 1, Darlington, Pa.
Edmond, Matilda A.	Midland, Pa.
Edmond, Nancy M.	Midland, Pa.
Elder, Mary M.	Darlington, Pa.
Elm, Marie	Shippingport, Pa.
Erwin, Edna P.	429 Navigation St., Beaver, Pa.
Ewing, Irene	New Sheffield, Pa.
Ewing, Zelma	1202 Hiland Ave., Coraopolis, Pa.
Farrar, Mary B.	758 Bank St., Beaver, Pa.
Fisher, Sara A.	Ellwood City, Pa.
Garvin, Edna	Darlington, Pa.
Goehring, Emma E.	R. D. 1, New Brighton, Pa.
Goehring, Gertrude	Negley, Ohio
Gonnely, Beatrice	4736 Fourth Ave., Beaver Falls, Pa.
Gray, Hazel	1427 Eighth Ave., Beaver Falls, Pa.
Grosman, Nettie U.	397 Pennsylvania Ave., Rochester, Pa.
Hamilton, Marie	R. F. D. 1, Beaver, Pa.
Headland, Ruth	2403 Rear 8th Ave., Beaver Falls, Pa.
Hineman, Elsie	New Sheffield, Pa.
Hineman, Zada	New Sheffield, Pa.
Inglefield, Sophie	Murdochsville, Pa.
Irwin, Dorothy	New Sheffield, Pa.
Jamison, Josephine	3215 6th Ave., Beaver Falls, Pa.
Jasper, Martha	1515 Sixth Ave., Beaver Falls, Pa.
Javens, June N.	Trust Bldg., Rochester, Pa.
Klingelhofer, Nelda	131 Fifth Ave., Freedom, Pa.
Krepps, Mary E.	R. D. 4, Beaver Falls, Pa.
Landon, Beatrice I.	West Bridgewater, Pa.
Laughlin, Bertha M.	Shippingport, Pa.
Laughlin, Margaret E.	Shippingport, Pa.
Lusher, Bertha	R. D. 2, Ellwood City, Pa.
Lyons, Grace	Industry, Pa.
McCalmont, Isabelle	Baden, Pa.
McClain, Gladys I.	1710 Fourth Ave., Beaver Falls, Pa.
McConnell, Alice	Murdochsville, Pa.
McCullough, Ellen B.	1299 Virginia Ave., Monaca, Pa.
McFate, Helen	2808 Sixth Ave., Beaver Falls, Pa.
McGaffie, Ethel	R. D. 2, Beaver Falls, Pa.
McWilliams, Emma	Vanport, Pa.
Mackall, Beulah	Georgetown, Pa.
Matheny, Olive L.	434 Fifth St., Beaver, Pa.
Mechling, Sophia	108 Fifth St., Ellwood City, Pa.
Mennell, Grace	Marion Hill, New Brighton, Pa.
Metzgar, Velma	3422 Fifth Ave., Beaver Falls, Pa.
Millen, Irene	Freedom, Pa.
Miller, M. Hazel	Wireton, Pa.
Miller, Robert	R. F. D. 1, Freedom, Pa.
Mooney, Mrs. J. A.	1106 Tenth Ave., Beaver Falls, Pa.
Morgan, Ethel M.	R. D. 1, Murdochsville, Pa.
Morgan, Elizabeth	Freedom, Pa.
Morrison, Catharine	519 Wayne Ave., Beaver, Pa.

Morrow, Helen E.....	Shippingport, Pa.
Nannah, Hazel E.....	Freedom, Pa.
Patterson, Margaret.....	439 College Ave., Beaver, Pa.
Pearce, Ella M.....	3306 Fifth Ave., Beaver Falls, Pa.
Price, Margaret.....	814 Case St., Rochester, Pa.
Rambeau, Catherine.....	Shippingport, Pa.
Rees, Margaret F.....	498 11th St., Freedom, Pa.
Reese, Mildred.....	14th St., Extension, Monaca, Pa.
Richards, Mrs. Maude.....	R. D. 1, Beaver, Pa.
Roberts, Meta.....	Market St., Beaver, Pa.
Roberts, Mildred.....	Darlington, Pa.
Robertson, Beulah M.....	R. D. 1, Hookstown, Pa.
Russell, Aileen.....	Enon Valley, Pa.
Russell, Ethel S.....	Shippingport, Pa.
Sayre, Beatrice.....	South Heights, Pa.
Schwenk, Eleanor.....	11th St., Beaver Falls, Pa.
Seanor, Dorothy.....	900 Ninth Ave., Beaver Falls, Pa.
Shaffer, Sylvia.....	Enon Valley, Pa.
Shane, Marguerite.....	Hookstown, Pa.
Sheerer, Helen.....	Smith's Ferry, Pa.
Shelar, Elizabeth.....	502 Penn Ave., New Brighton, Pa.
Shoaf, Jean.....	113 Major St., Woodlawn, Pa.
Sieffert, Constance.....	Wireton, Pa.
Skoog, Ruth E.....	1339 Indiana Ave., Monaca, Pa.
Smith, Elizabeth.....	R. D. 1, Darlington, Pa.
Smith, Garnet.....	Monaca, Pa.
Smith, Helen R.....	Hookstown, Pa.
Smith, Kathryn.....	West Bridgewater, Pa.
Stauffer, Dorothy.....	Zelienople, Pa.
Stener, Marie E.....	R. D. 3, New Sheffield, Pa.
Stiffey, Agnes.....	Beaver, Pa.
Swearingen, Dorothy M.....	Hookstown, Pa.
Swearingen, Mary M.....	Georgetown, Pa.
Swearingen, Rachel.....	Hookstown, Pa.
Tallon, Sara.....	1099 Turnpike St., Beaver, Pa.
Thornburg, Gladys.....	Murdochsville, Pa.
Thornburg, Lena.....	Murdochsville, Pa.
Torrence, Belva.....	1100 Second St., Beaver, Pa.
Torrence, Jeannette.....	Hookstown, Pa.
Treverton, Dorothy G.....	West Bridgewater, Pa.
Warner, Ada L.....	Smith's Ferry, Pa.
Warnock, Pearl.....	Ellwood City, Pa.
White, Melissa.....	516 Main St., Coraopolis, Pa.
Wilson, Anna.....	New Sheffield, Pa.
Wright, Mary.....	446 Ohio Ave., Rochester, Pa.
Wylie, Hilda.....	Vanport, Pa.
Young, Elsie.....	R. D. 1, Beaver Falls, Pa.
Yount, Irene.....	Midland, Pa.
Zeigler, Mabel H.....	Fombell, Pa.

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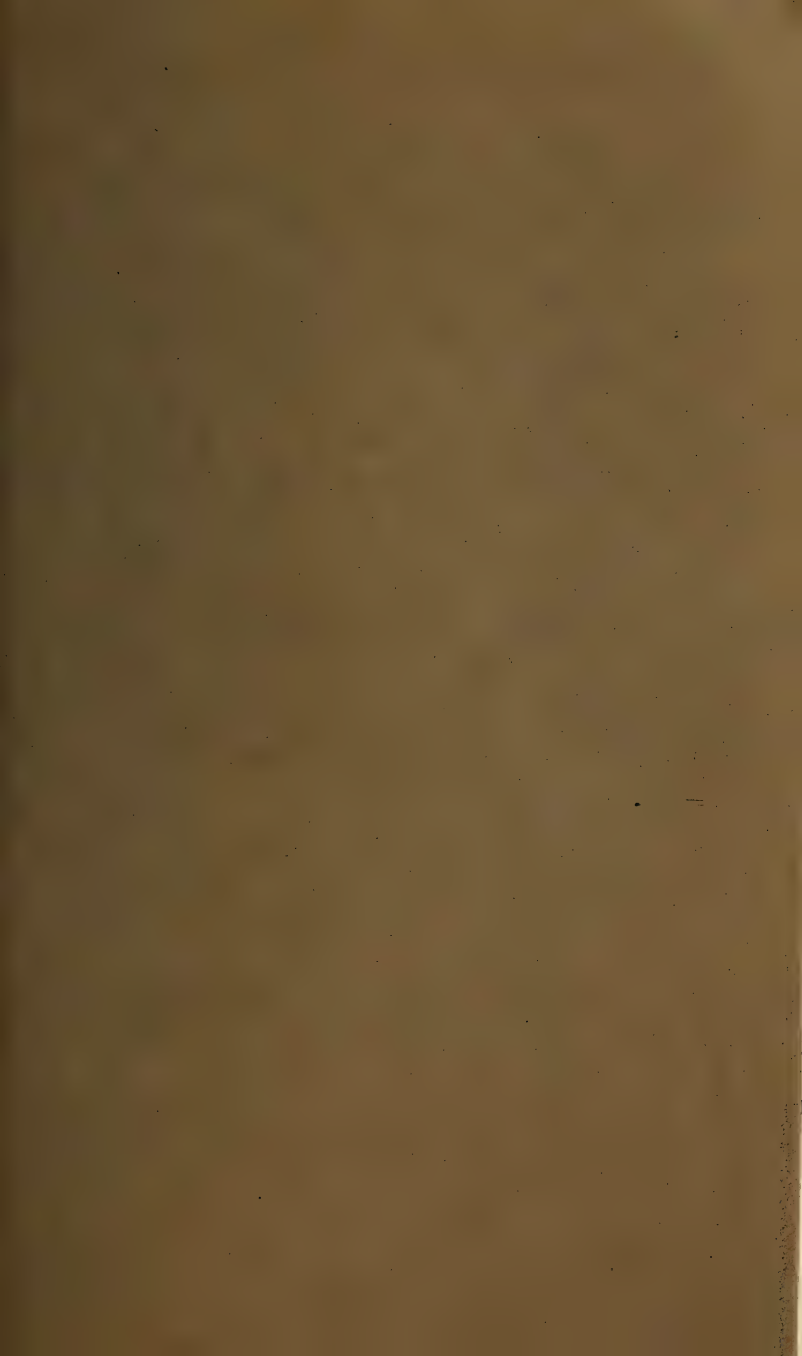
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Geneva College Bulletin

JANUARY, 1922

VOLUME THIRTEEN—NUMBER ONE



CATALOGUE

Announcements for 1922-1923

Register of Faculty and Students for 1921-1922

PUBLISHED BY
GENEVA COLLEGE, BEAVER FALLS, PA.
AND ISSUED QUARTERLY

Geneva College comprises the following divisions:

The School of Liberal Arts,
The Extension Division,
The School of Music,
The School of Public Speaking,
The Normal School,
The College Summer Session.

The following publications are issued annually by the College:

The College Catalogue,
The Bulletin of the School of Music,
The Alumni Bulletin,
The Bulletin of the Normal School.

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PUBLISHED BY
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CALENDAR

1922

June 19—Monday, College Department Summer Session opens,
9:00 A. M.

June 19—Monday, Normal Department opens.

July 4—Tuesday, holiday.

August 18—Friday, College Department closes.

August 18—Friday, Normal Department closes.

* * * * *

September 13—Wednesday, Registration for the First Semester
9:00-4:00.

November 11—Saturday, Armistice Day—holiday.

November 22—Wednesday, Thanksgiving Vacation begins, 4:00 P. M.

November 25—Saturday, Classes begin at 8:00 A. M.

December 21—Thursday, Christmas Vacation begins at 4:00 P. M.

January 3—Wednesday, Classes begin at 8:00 A. M.

Jan. 29-Feb. 2—Mon.-Fri.—First Semester Examinations.

February 5—First Semester Grades due.

Feb. 3-6—Sat.-Tues. Mid-Year Recess (Classes begin at 8:00 A. M.
Tuesday.)

February 22—Washington's Birthday—holiday.

March 29—Thursday, Spring Vacation begins at 4:00 P. M.

April 4—Wednesday, Classes begin at 8:00 A. M.

May 30—Wednesday, Decoration Day—holiday.

June 8-13—(Fri.-Wed.), Second Semester Examinations.

June 8—Friday, Literary Society Reception.

June 10—Sabbath, Baccalaureate Sermon.

June 11—Monday, Campus Night.

June 12—Tuesday, Commencement Concert.

June 13—Wednesday, Senior Class Play.

June 14—Commencement.

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JAMES A. McATEER, 1922.....	Pittsburgh, Pa.

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REV. R. HARGRAVE, 1921.....	Ohio
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REV. THOMAS McFALL, 1922.....	Nova Scotia and New Brunswick
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C. R. MAY, Esq.....	Beaver Falls, Pa.
HON. GEORGE A. BALDWIN.....	Rochester, Pa.

Representing Business Men of Beaver Valley

J. T. REEVES.....	Beaver Falls, Pa.
J. T. MOLTRUP.....	Beaver Falls, Pa.
L. L. BENTLEY.....	Beaver Falls, Pa.

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ROBERT CLARKE, A. M., B. D.
Assistant to the President

JAMES S. TIBBY
Treasurer

R. C. COLWELL, Ph. D.
Dean of the College of Liberal Arts

HARRY H. WYLIE, Ph. D.
Director of The Extension Department and Summer School

MADELINE L. EVANS
Dean of Women

EDNA M. GEORGE
Librarian

ISABELLA STEWART, A. M.
Registrar

CHARLES M. LEE, A. M.
Secretary of the Faculty

E. MAY GIRVAN, A. B.
Local Treasurer and Secretary

M. R. GLOVER
Graduate Manager of Athletics

FREDERICK SCHAAL
Supt. of Buildings and Grounds

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A. B., Geneva College; A. M., Princeton University;
B. D., Princeton University; University of Edinburgh;
University of Pennsylvania
President and Professor of Economics

ROBERT CLARKE

A. B., Geneva College; Chicago University;
A. M., Princeton University
Professor of Philosophy

ROBERT C. COLWELL

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A. M., University of Chicago; Ph. D., Princeton University
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M. GYLA MacDOWELL

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Wilson College

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Director of Brosky School of Music, Pittsburgh, Pa.

Violin and Ensemble

ERNEST LUNT

Director of Pittsburgh Mendelssohn Chorus

Voice

EARL T. YEARSLEY

Director of Glee Club

GENERAL INFORMATION

HISTORY

Geneva College began its career in the small village of Northwood, Logan County, Ohio. It was located in the midst of a large body of Christian people, chiefly Reformed and United Presbyterians. The college was projected by the Rev. J. B. Johnston, then pastor of the Miami congregation of Reformed Presbyterians, for the purpose of educating the youth of the church and training a ministry. The first building was a two-story brick of humble proportions, which, however, was soon enlarged to a spacious three-story building with a large chapel, six or seven recitation rooms, and two large society halls.

By reason of its location in a retired place and its limited facilities, the college was not able to make steady progress, but was subject to periodic reversals. Rev. H. H. George was called to the presidency in 1872, and it was during his administration that the college was removed to Beaver Falls. The question of removing the college, together with the question of its future location, was laid before the Synod of the Church, and it was decided that the college should be removed and that the Church at large be asked to submit propositions relative to location and equipment. Three propositions were made: one from Bellefontaine, Ohio, urging that the college be located in that place and pledging informally as much as \$30,000.00 for a building; another from Morning Sun, Iowa, pledging a handsome building; and a third from Beaver Falls, offering a gift of ten acres of land from the Economite Society and pledging a suitable building. The last proposition was accepted and the college was removed to Beaver Falls in 1880.

In 1890, on the resignation of Dr. George, Dr. W. P. Johnston was elected to the presidency and the college con-

tinued to grow. A Science Hall was added and an athletic field was purchased. Dr. Johnston gave seventeen years of faithful and untiring effort to the work of continuing and building the school. On the resignation of Dr. Johnston, in 1907, Dr. W. H. George was elected to the presidency. He served until 1916 when he resigned to do advanced work at Harvard University. He was succeeded by Dr. Renwick Harper Martin who had been for a number of years pastor of the College Hill Reformed Presbyterian church and who had served as Secretary of the Board of Trustees for nine years. Prof. A. A. Johnston was appointed Acting President in the Summer of 1920, and President in the Summer of 1921.

CONTROL AND GOVERNMENT

The college was established in 1849 by the Reformed Presbyterian Church of North America, and it continues to be controlled by that body.

BUILDINGS AND GROUNDS

Location. Geneva College is located in the Borough of College Hill, a suburb of Beaver Falls, Penna. From the post-office of Beaver Falls the smaller town receives free delivery of mail twice a day. These towns, with New Brighton, Rochester and Beaver, constitute what is really one city of about 50,000 inhabitants. College Hill is connected with all parts of this populous section by steam railways and electric trolley lines and with more distant points by three railways—Pittsburgh, Fort Wayne & Chicago, Pittsburgh & Lake Erie, Erie & Pittsburgh, and by the Beaver Valley Traction Line.

There are many churches of all denominations in the city, and there is also a free library. The residents of College Hill, both permanent and temporary, enjoy all the advantages and conveniences to which the people of the larger cities have access.

Grounds. The grounds comprise a ten-acre tract on the west bank of the Beaver River. The wooded bluff, the river, the gently sloping campus well covered with beautiful hard maples, combine to make the location ideal. Here may be found the quiet, necessary for close study, as well as the conveniences of the town and city. There is excellent train service between Beaver Falls and Pittsburgh.

Three blocks west of the campus, is the College Athletic Field containing seven acres of ground, with foot-ball field, running track and grand stand.

Administration Building. The Administration Building is a large, substantial and imposing structure of native sandstone, situated upon an elevation overlooking the Beaver River. It is a three-story structure and contains a commodious auditorium, with gallery, capable of seating five hundred people, two large society halls, library and offices, several rooms used by the departments of Music and Oratory, together with eight recitation rooms. The administration building, with its towering belfry, is a landmark that can be seen for miles around, while the view from the belfry commands the entire lower portion of Beaver Valley.

Science Hall. The Science Hall is situated on the east side of the college campus, on the brow of the hill, overlooking the river. It is built of buff brick, trimmed with stone; it is a two-story building with basement, the first story being occupied by the department of Chemistry and Biology, the second story by the department of Physics and Mathematics. It contains Chemical, Physical and Biological laboratories with store-rooms and photographic dark room. The laboratories and class rooms are commodious, well lighted and heated. Wireless equipment has been installed.

McKee Hall. The New Dormitory for Women is the gift of Mrs. M. E. McKee. The native sandstone of which

it is constructed was quarried from the hill a few yards from where the building stands. It is Old English design with red tile roof and is fire-proof throughout.

The basement contains the main and private dining rooms, kitchen, provision rooms, with rest room and sleeping rooms for help.

The main floor contains the Dean's suite, Social room with large open fire place, private writing room in addition to students' rooms. The laundry and trunk rooms are on the fourth floor.

The students' rooms are arranged in suites of two with bath room between. The clothes closets in the rooms are large and spacious.

McKee Hall, including heating and lighting, is modern in every detail. It will accommodate 86 women. It is one of the finest, as well as one of the prettiest college dormitories in the country.

Men's Hall. The men's dormitory is a three-story brick building, with accommodations for forty men. The first floor is occupied by the Y. M. C. A.; with reception hall, office, large lounging room and two game rooms. The second and third floors consist of parlors and living rooms.

Gymnasium. A handsome new gymnasium of medium mottled iron spot brick and red tile roof, finished in hardwood and lighted with electricity, fully equipped with apparatus, bath and locker fixtures, costing approximately \$35,000, was constructed during the year 1910-1911. It was built in honor of the late President-Emeritus W. Pollock Johnston and bears his name.

Auditorium. The north wing of the main building is given over to the auditorium, which with gallery, furnishes seating capacity for five hundred. Its Gothic windows of exquisite design and platform with paneled background and overhead mounting of College seal combine to make this a chapel of great beauty.

CHRISTIAN CULTURE

The object of the establishment of the college has been to secure to young men and women an education that will fit them for earnest Christian lives. Those who have charge of the college now have the same object in view. The members of the faculty recognize the fact that they cannot ignore the moral well-being of the children of Christian homes who have been committed for a longer or shorter time to their keeping. Chapel exercises are held each day and students are required to be present. There are also held in the College on Sabbath mornings, Bible classes taught by members of the faculty. For one week each year special religious services are held.

Throughout the college course there is systematic instruction in the Word of God, and examinations in this study are held at the close of each semester as in any other study.

DORMITORY LIFE

The Dormitory, under the supervision of the Dean of Women, is in charge of a matron and steward.

Every provision possible is made for the health, comfort and convenience of the resident students. Recreation hours are as regular as study hours. The constant aim of the college authorities is to provide all safeguards and to furnish all the facilities for social and religious training which these young people enjoy in their own refined Christian homes. The spirit of unselfish, helpful fellowship prevails. Student gatherings furnish opportunity for various kinds of social training. In fact, the Dormitory is the social home of the college. Such a residence hall insures the wide influence and vital educative force of constant association with one's peers in all the varied activities of under-graduate life. So invaluable are these influences felt to be in developing richness and force of character, that all women students from a distance are required to reside in the Dormitory.

DISCIPLINE

Four qualities are pre-eminently essential to a successful life today: the ability to think and act on one's own initiative; the ability to compromise and to work harmoniously in groups; good judgment to decide when to stand alone and when to defer to the opinion of others; the sense of honour that impels a person to be his own most rigid judge. These qualities Geneva College strives to develop in her men and women students.

There are certain things that are deemed objectionable and against which great care is exercised. These are profane swearing, the use of intoxicants, the use of tobacco in the college buildings or on the grounds, card playing, dancing, frequenting the theater and similar things. These are injurious things; they are treated as such. They injure morality; they work disaster intellectually. The purpose is, so far as possible, to root these out of the college life. Fraternities (Greek letter societies) are not allowed, as these lead to a waste of money and waste of time, weaken attachment to literary societies, and tend greatly to the lowering of the religious standard. It is the purpose to make the college as safe a place as possible for those who are away from home influence.

Students who come from other schools are required to bring testimony as to good character as well as certificates of standing in class.

ORGANIZATIONS

Literary Societies. The Aletheorian and Adelpic Societies are organizations open to every student in Geneva College. Meetings are held every Friday evening of the school year in the two society halls in the Main College Building. Entire freedom in the choice of society affiliation is left with each student. The object of these two societies is to give opportunity for training in public speaking, the programs for regular meetings consisting of essays, decla-

mations, readings, orations, debates and extemporaneous speeches. These literary societies are heartily endorsed by the faculty and each student is strongly advised to identify himself with one or the other early in his first year at school. At the end of the first semester of each year, the Societies hold a contest in essay, debate, oration and declamation.

Christian Association. The Young Men's and Young Women's Christian Associations are student organizations which aim to give the men and women of the College spiritual training. Regular meetings are held in the two Association rooms on Wednesday evening of each week. Leaders are appointed for the meetings throughout the school year and the discussions are on topics which are especially vital to the college life of the students. In addition to these meetings, a joint meeting of both Associations is held each Sabbath evening for prayer. The importance of these two organizations cannot be over estimated, as a liberal education should include not only mental and physical training but also the spiritual training which is to be secured from such organizations as these.

Student Volunteer Band. The Student Volunteer Band was formed several years ago by a number of students who had decided to devote their lives to some form of distinctly Christian work. While the original idea was to include those who intend to become missionaries, the present membership is made up of all students who expect to be engaged in Christian work. Meetings are for the purpose of prayer and the formation of plans for the increase of spiritual activity among the students. Every encouragement is given to students to join this organization as it is believed that it holds a very important place among the student organizations of this institution.

Musical Organizations. The Men's Glee Club and the College Orchestra are two prominent student organizations.

The Glee Club is made up of sixteen men who train under the direction of the Professor of Vocal Music. The try-outs for places on the club are held early in the fall and are open to all the young men in the College. An eastern tour at the holiday season which includes concerts at Washington, D. C., Philadelphia, New York and Boston is an annual feature. The College Orchestra is made up of both men and women. All students with musical ability are given opportunity to join this organization which is under the leadership of the Assistant in the Violin Department.

Athletic Association. Every student in the College is a member of this association which has for its purpose the management of all athletic activities. An Athletic Board of Control made up of members of the faculty, alumni, and Athletic Association is in active control of all athletic affairs. All foot-ball, basket-ball, track and tennis managers are elected by the students according to the provisions of the constitution of the Association.

Oratorical Association. The Oratorical Association is composed of all students in this institution. Its purpose is to foster oratorical activities among the students, arrange for inter-collegiate debates and for the representation of this College in the Tri-State Oratorical Contest. Annual debates for men and women are arranged with such institutions as The University of Pittsburgh, Washington and Jefferson, Westminster, Grove City, Thiel, Bethany, Muskingum, and Mt. Union. Six institutions are represented in the Tri-State Oratorical Association. These are Bethany, Geneva, Muskingum, Thiel, Waynesburg and Westminster. Positions on all debate and oratorical teams are obtained in try-outs open to all students.

ATHLETICS

Gymnasium classes are conducted regularly throughout the school year. A physical examination is given to each

student at the beginning of the work to see how he or she stands physically and to enable the Physical Directors to prescribe the proper exercises. Another examination is made at the close of the year to note the progress made.

Besides the gymnasium class work, various forms of inter-collegiate athletics are carried on under the direction of an experienced athletic coach. Foot-ball, base-ball, basket-ball, tennis, and field-track athletics are all emphasized in their respective seasons.

No apology is needed for the emphasis laid upon gymnastic and athletic training as a part of the college activities. At no time in the history of the nation has the value and necessity of such training been more apparent. However, Geneva co-ordinates physical with intellectual training and endeavors always to maintain the proper balance.

DEBATING

Opportunities are afforded for systematic training in debating, both in the curriculum and in clubs and teams. Many actual debates are held, both within the College and with other colleges and universities. At least four inter-collegiate debates are held each year. Members of the inter-collegiate teams are chosen by competition.

CABINET COMPANY

The Cabinet is the student publication which appears each month during the school year. Ten shares of stock in the Cabinet Company are held by students who are responsible for the publication of the College paper. The Editorial Staff includes an Alumni Editor as well as a Student Editor. Shares in this company are to be obtained each year from those who graduate. Valuable training in preparing articles on student activities and in business management is secured by those in charge of this work. The subscription list includes not only the students but also a large number of Alumni who desire to keep in touch with student activities.

GENEVAN

Every year the Junior Class issues an annual which serves as a souvenir of the year's activities. The first year book was published in the second semester of 1919.

ALUMNI ASSOCIATION

The Alumni Association plays a very important part in furthering the interests of Geneva College. The purpose and the nature of the work of this organization is found in the Constitution which is herewith printed:

ARTICLE I. This Association shall be known as "Geneva College Alumni Association."

ARTICLE II. The object of this Association shall be to advance the interests of Geneva College and to promote the mutual acquaintance of its Alumni.

ARTICLE III. Any Alumnus may become a member of this Association upon payment of the dues for the current year. The annual dues for members shall be \$2.00, payable on or before the annual business meeting.

The term "Alumnus" is to be interpreted to mean a graduate of any department of the College, or one who has been a student in the College.

The members of the graduating class each year shall be members of the Association during the annual business meeting of that year, without payment of any dues.

Members of the Board of Trustees and Faculty, not alumni of the College, shall be ex-officio members of the Association with all the rights and obligations of members.

ARTICLE IV. The officers of this Association shall be President, First Vice-President, Second Vice-President, Secretary and Treasurer. They shall hold office for one year. The officers of the Association shall perform such duties as are indicated by their titles.

The Treasurer shall pay all bills upon the written order of the President.

ARTICLE V. Three members of the Association shall be elected each year at the annual business meeting to represent the Alumni Association in the Board of Trustees of the College. They shall be known as "Consultative Members of the Board of Trustees."

ARTICLE VI. The Executive Committee shall consist of the officers of the Association and the Consultative Members of the Board of Trustees. The Executive Committee will be in charge of the management of the business of the Association.

Before each annual meeting the Executive Committee shall act as a Nominating Committee and shall nominate and present to the Association at its annual business meeting a list of officers for the ensuing year.

ARTICLE VII. The Annual Business Meeting shall be held at the call of the President.

ARTICLE VIII. This Constitution may be amended at any annual business meeting by a three-fourths vote of the members present.

ALUMNAE AUXILIARY

The purposes of this organization are:

1. To co-operate with the "Students' Association for Women" of Geneva College.
2. To initiate any measures which will be beneficial to the College, especially the "Students' Association for Women."
3. To keep in touch with the Women's Department of the College and to co-operate with the Dean of Women to the end that the Alumnae may be able to serve the College in a practical way.

GENEVA ENTERTAINMENT COURSE

Believing that the more or less latent artistic sense in college students can be quickened and trained by giving them high standards of excellence in music and public speaking; believing also that music is one of the great fine arts which should be a necessity to every well balanced and well educated man and woman because of its power to refine the emotions and quicken the imagination even in those who are capable of no more than layman's education in the musical art; believing the fathers and mothers on College Hill and in the valley would join us in providing something really fine for their boys and girls as well as for our college students—Geneva College has been able to offer this year a series of entertainments of rare excellence. The response of the community and of the undergraduates has been so gratifying and enthusiastic that we hope next year to have a course equally good. The attractions this year are as follows:

OCTOBER 28, 1921—Riccardo Martin, Tenor, and Margaret Horne, Violinist.

NOVEMBER 18, 1921—Ada Sassoli, Harpist; Margery Maxwell, Soprano.

DECEMBER 9, 1921—Mary S. McDowell, Lecture—"Women in Industry."

JANUARY 20, 1922—Olga Samaroff, Pianist; Hans Kindler, 'Cellist.

FEBRUARY 27, 1922—London String Quartet.

APRIL 10, 1922—Edwin Markham, Poet, Lecturer, "Readings from His Own Poems."

APRIL 21, 1922—Special Concert, Madam Schumann-Heink.

Committee:

M. Gyla MacDowell,
R. C. Colwell,
Frances Waddle,
Philip L. Conn.

LIBRARY

The library is an essential part of the college plant, and its value is increasingly felt as subjects studied and methods of study take a wider range. It is not claimed that the books represent all departments of knowledge, but chiefly those in which college students are most interested. There is a permanent fund for the use of the library, and the proceeds of this are used to purchase every year the latest and best volumes on topics, old and new, kindred to the studies of the curriculum.

The library is in care of a librarian, who is ready to give assistance in finding books and acquainting students with the arrangement of the card catalogue and shelves. As it is the aim of the college to encourage original thought and the spirit of research, the library is becoming more and more a center of extensive reading and investigation. While it is not the design of the library to afford facilities for advanced research work, it is a part of its purpose to stimulate the desire for careful and thorough investigation, and this purpose it is accomplishing better every year. Nearly every professor requires work that can be done only in the library, with the result that students are required to frequent the library, acquaint themselves with its workings and come into personal contact with its books.

The library is open from Monday to Friday, 8:00 A. M. to 12:15 P. M.; 1:30 to 5:00 P. M., and Saturday 9 A. M. to 12 A. M.

Five years ago the Geneva College Library was reorganized. After investigation of various methods of classification, the Dewey Decimal System was adopted. This system is used by approximately three-fourths of the public libraries in the world. While not strictly logical, it is so arranged as to be mechanically convenient.

A dictionary catalogue, constructed according to the most approved rules, has been completed. It contains complete subject, title, and author headings for all the books in the library. For this catalogue, cards were purchased from the Library of Congress. The headings are inserted by typewriter. This method places at the disposal of our students the work of trained cataloguers, in neat and usable form. New filing cabinets have been installed for the accommodation of this catalogue, which will include approximately fifteen thousand headings.

The need for additional room for administrative offices and the rapid growth of the library both in number of books and in use by the students forced a change of location. Hence the library was removed from its old quarters and placed in the two large rooms formerly used by the Christian Associations. By removing the partitioning wall these rooms furnished a place of sufficient size and of proper location. The number of volumes in the library was increased by almost three thousand the last year. This increase was made in part by purchase, but in large part by donations from friends and alumni.

CHAPEL

A daily period of fifteen minutes is devoted to chapel exercises in the Auditorium. Devotional exercises are conducted by members of the Faculty and visitors. Announcements of general interest are made and frequently some time is taken for cheer meetings. Occasionally able speakers

are secured to deliver short addresses. Attendance is required of all students in the School of Liberal Arts. These services are always open to the public.

SPECIAL STUDENTS

Students who are not candidates for a degree may arrange a course of study to fit them for professional work. It is understood, however, that entrance to any course is contingent upon the consent of the instructor in that course and all entrance requirements must be met.

ADVANCED STANDING

Students from approved colleges are admitted with equivalent standing. They must present their credits and letters of honorable dismissal to the registrar.

NEW EQUIPMENT

A new wireless receiving and sending station has been installed, with all the latest equipment for teaching wireless telegraphy; new psychological maps were purchased; new history maps for all courses were furnished, and a slide cabinet for Art History course.

DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are given in the School of Liberal Arts; the degree of Bachelor of Music in the School of Music, and the degree of Bachelor of Oratory in the School of Public Speaking. The Art Department grants a certificate only and not a degree. The Master's degree is no longer given in course. All other degrees are honoris causa. The special requirements for the bachelor degrees may be found under the appropriate school. A fee of five dollars is charged for the bachelor's degree.

PRIZES

1. General Excellence Prize, \$20.00. This prize, which is given by Mrs. Rebecca M. Reid, of Beaver, Pa., is awarded on the basis of the highest average for the year. While scholarship is the primary test, general character and conduct are taken into account.

2. Freshman English Prize, \$30.00. This prize is awarded for the best essay on an assigned topic in English Composition and is open to students, taking Freshman English. The prize is offered through the generosity of the late Hays Euwer, of Pittsburgh.

3. The J. L. McCartney Prize, \$20.00. This prize is offered by Prof. McCartney's sons for the best work on some assigned topic in the Department of Science. For the year 1919-20 the topic was assigned to the Department of Chemistry. For the year 1920-21 the topic was assigned to the Department of Physics.

4. Morton Freshman Prize, \$20.00. This prize is given by Mrs. John T. Morton, of Pittsburgh, Pa., in memory of the late J. Herbert Morton, sometime Principal of Geneva Preparatory Department. It is awarded for the best work done in the Freshman class.

5. Bible Prize, \$30.00. This prize is offered by a friend of the Head of Bible Department for the best work done in the Department of English Bible.

6. The Edwin F. Wendt Prize, \$10.00. This prize is offered by Dr. Edwin F. Wendt, of Washington, D. C., for the best work done in the Department of Greek.

7. Music Prize, \$10.00. This prize is offered by Mrs. Matilda Ritchie Fisher, Class 1912, Music Department, New Castle, Pa., for the best work done in the Department of Music.

8. John Lincoln Downie Prize, \$27.50. This prize is offered by R. M. Downie in honor of his son, John Lincoln Downie, to the one who represents Geneva in the Tri-State Intercollegiate Oratorical Contest.

9. Alumni Prize, \$25.00. This prize is offered by the Geneva Alumni Association to the best all around man and showing exceptional college spirit as chosen by the Faculty and Committee of the Alumni Association.

10. Lieut. Walter Cooke Lee Prize, \$15.00. This prize is offered in memory of a faculty member's brother who died in France, Nov. 16, 1918, to the student doing the best work in the Latin Department.

ROOMS

Non-resident young women students are required to room in McKee Hall, and are assigned to their rooms by a committee of the faculty. Rent \$9.00, \$10.00, \$11.00 per mo. each (two in a room). The rooms are furnished with single

beds, mattresses, pillows, bed cover, chairs, tables and window draperies. Each resident supplies the following articles: Sheets $1\frac{1}{2} \times 2$ yards, pillow cases and towels.

Application for rooms should be made to the Dean of Women. A deposit of \$5.00 must accompany each application. On taking possession a deposit of \$2.00 is required, which is refunded at vacancy if room is left in a condition satisfactory to the Dean of Women.

Non-resident men students room in Men's Dormitory. Rent \$7.00 per month each (two in a room). The rooms are furnished with single beds, mattresses, pillows, bed cover, chairs and tables. Each resident supplies the following articles: Sheets $1\frac{1}{2} \times 2$ yards, pillow cases and towels.

Applications for rooms should be made to the Dean of Men. A deposit of \$5.00 must accompany each application. On taking possession a deposit of \$2.00 is required, which is refunded if room is left in satisfactory condition at vacancy.

BOARDING

Boarding is provided for both young men and young women at the Geneva College Dining Hall. Rate: \$6.00 per week. No refunds except for such holidays and special cases as authorized by the committee. Charge of \$1.00 a year for napkin service.

THE SCHOOL OF LIBERAL ARTS

FACULTY

A. A. JOHNSTON

A. B., Geneva College; A. M., Princeton University;
B. D., Princeton University; University of Edinburg; University
of Pennsylvania

President and Professor of Economics and History

ROBERT CLARKE

A. B., Geneva College; Chicago University;
A. M., Princeton University

Professor of Philosophy

ROBERT C. COLWELL

A. B., University of New Brunswick and Harvard University;
A. M., University of Chicago; Ph. D., Princeton University

Professor of Mathematics and Physics

M. GYLA MacDOWELL

A. B., Grove City College; A. M., Columbia University

Professor of English

HARRY H. WYLIE

A. B., Muskingum College; A. M., Harvard University;
Ph. D., University of Chicago

Professor of Education

M. CAROTHERS McCONAGHA

A. B., Geneva College; B. E., National School of Oratory
University of Chicago; University of Michigan

Professor of Public Speaking

ISABELLA STEWART

A. B., A. M., University of Cincinnati, Columbia University;
Stern's School of Languages

Professor of French

CHARLES M. LEE

A. B., Miami University; A. M., University of Cincinnati
Professor of Latin and Greek

MRS. H. H. WYLIE

A. B., Geneva College; University of Chicago
Professor of Psychology

JOHN COLEMAN

A. B., University of Pittsburgh; Reformed Presbyterian Theological
 Seminary; A. M., University of Wisconsin; University of
 Pennsylvania; Columbia University
Professor of Bible

PHILIP L. COON

A. B., Milton College; A. M., University of Wisconsin
Professor of Chemistry

ALBERT H. WILSON

A. B., Earlham College; A. M., University of Chicago
Professor of Biology

EARL A. MOORE

A. B., B. O., Geneva College; A. M., Indiana University
Assistant Professor of English and Public Speaking

BEULAH L. WILSON

B. S., Geneva College
Professor of Spanish

A. C. EDGECOMBE

B. Sc. in C. E., University of New Brunswick
Professor of Engineering

JAMES K. POLLOCK, Jr.

A. B., A. M., University of Michigan
Professor of History and Economics

MADELINE L. EVANS

Wilson College
Dean of Women

P. H. BRIDENBAUGH
A. B., Franklin Marshall College
Physical Director for Men

EDNA M. GEORGE
Chautauqua School of Physical Education
Physical Director for Women

EVERITT LAIRD
Assistant in Chemistry

MARGARET BROWN
Assistant in Biology

MARGARET WASHABAUGH
Assistant in Mathematics

REQUIREMENTS FOR ADMISSION

The requirements for admission are stated in terms of units. One unit may be defined as a course of study that has been pursued for a school year of at least thirty-six weeks with four or five periods per week of not less than forty minutes, or the equivalent of this amount of time. Two hours of laboratory work are counted as equivalent to one hour lecture or recitation work.

The number of such units required for entrance into the Freshman Class is fifteen. Admission may be by examination or by certificate. Certificates from approved four year high schools and academies will be accepted in lieu of examinations. No credit is given for courses in excess of the entrance requirement.

The following subjects are accepted for entrance into the School of Liberal Arts:

In order to enter Geneva College as a candidate for a degree in the School of Liberal Arts, a student must be a graduate of a four year accredited high school with fifteen credits shown. A student with fourteen credits is admitted conditionally. This condition must be removed during the Freshman Year.

English	3	
Foreign Language	4,	required of students who are candidates for the Bachelor of Arts Degree—3 of which must be in Latin.
Foreign Language	2,	required of students who are candidates for the Bachelor of Science Degree.
Mathematics	2	Algebra Geometry
History	1	
Science	1	
Elective	2,	taken from above subjects.
Elective	2,	taken from any subjects accepted for graduation in an accredited high school, except Domestic Science, Manual Training, Commercial Subjects.

NOTE I. Less than two units in a foreign language will not be accepted for either language credit or elective credit unless the same language is continued in college until the student has completed at least the equivalent of two units of High School credit in that language.

NOTE II. If all four units of foreign language presented are Latin, twelve (12) hours of one modern language will be required in college.

NOTE III. Three units of the foreign language required must be in Latin if student wishes to become a candidate for the A. B. degree.

ADMISSION WITH CONDITION

Students who have not fully completed the subjects specified for admission to the course they wish to enter may be admitted to the freshman class conditionally, but not if their deficiencies exceed one unit. This condition must be removed before the sophomore year.

SPECIAL STUDENTS

Persons desiring to pursue studies in the college are as a rule required to be prepared to enter the freshman class as candidates for one of the degrees. Under exceptional circumstances persons who are not candidates for a degree may be admitted as special students and allowed to pursue selected studies. It is understood, however, that entrance to any course requires the consent of the faculty.

ENGINEERING

The equipment of this department has been greatly improved the past year. An excellent draughting room has been added and instruments and related equipment brought up-to-date. A student can complete two full years of engineering work and enter the

Junior year of certain engineering schools. The course is designed mainly for civil engineers, but is also preliminary to electrical, mechanical and chemical engineers.

The courses which should be taken during the first two years are as follows:—

First Year, Advanced Algebra
 Chemistry
 English
 French or Spanish
 Mechanical Drawing
 Descriptive Geometry
 Analytical Geometry
 Physical Education

Second Year, Surveying
 Mechanics
 French or Spanish
 Differential Calculus
 Physics
 English
 Psychology
 Economics

A student who completes this work satisfactorily will have no difficulty in obtaining a position in drafting or surveying or in passing the examinations for a Licensed Surveyor.

MEDICAL

The American Medical Association has fixed the minimum for admission to the standard medical colleges at 60 semester hours of collegiate work, apportioned as follows:

<i>Required subjects:</i>	<i>Semester Hrs.</i>
Chemistry	12
Physics	8
Biology	8
English Composition and Literature.....	8
Other non-science subjects.....	12

Subjects strongly urged:

Modern Language for ability in reading foreign medical pub.....	6 - 12
Advanced Biology	3 - 6
Psychology	3 - 6
Mathematics	3 - 6
Additional Chemistry	3 - 6

Other suggested electives:

English (additional), Latin, Greek, Economics, History, Sociology, Political Science, Logic, Mathematics, Drawing.

The student intending to enter a medical school should, as soon as possible, get a catalogue of that school so as to be able to meet its specific requirements. Geneva graduates have been admitted to standard medical colleges unconditioned.

LEGAL

Economics, a science, Latin two years, Modern language two years, Greek, History of England, of America, of Revolutionary and Modern Europe, English Composition and Literature, Political Philosophy, Public Speaking. Optional—History of Greece or Rome.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are stated in terms of semester hours. A course which continues one hour a week for one semester (eighteen weeks) is called a semester hour.

One hundred and twenty semester hours are required for graduation. This means that a student must take not less than fifteen hours a week for four years. Under the new Group System the student is required to take a certain number of specified courses, and a wide range of electives is permitted in the different groups.

The following thirty-six semester hours are required of all students in the School of Liberal Arts:

English—8 semester hours (English 24) usually taken in the Freshman year.

Bible—8 semester hours.

History—6 semester hours.

Political Science—6 semester hours.

Mathematics—6 semester hours (Math. 15), usually taken in the Freshman year.

Public Speaking—2 semester hours.

Six semester hours of physical training are required for graduation but these do not count in the total of the 120 semester hours mentioned as necessary for a degree.

GROUP REQUIREMENTS

The remaining eighty-four semester hours may be elected from the following groups. The selection must be made by group and not by courses in the groups:

(a) FOR THE DEGREE OF BACHELOR OF ARTS

GROUP 1

Greek	18 hours
Latin	12 hours
English, History, Philosophy, Education, or Romance Languages	6 hours

GROUP 2

Latin and Greek	18 hours
Romance Languages	12 hours
English, History, Philosophy, Education, Latin, Greek, or Romance Languages	6 hours

GROUP 3

Romance Languages	18 hours
Romance Languages	12 hours
Latin, Greek, English, History, Philosophy or Education.....	6 hours

(NOTE: If less than two units of modern language is presented for entrance, 8 hours in addition to the above requirements in modern language must be taken in this group).

GROUP 4

Philosophy and Education.....	18 hours
English, or History and Economics.....	12 hours
Latin, Greek or Romance Languages.....	6 hours

GROUP 5

English	18 hours
Latin, Greek, or Romance Languages.....	12 hours
Philosophy, Education, History or Economics.....	6 hours

GROUP 6

History	18 hours
Economics and Psychology, English or Philosophy and Education	12 hours
Latin, Greek, or Romance Languages.....	6 hours

GROUP 7

Biblical Literature	18 hours
Greek, History, Philosophy, Education, English.....	12 hours
Greek, History, Philosophy, Education, Psychology, English, or Biology.....	6 hours

GROUP 8

Political Science and Sociology and Economics and Psychology	18 hours
History, English or Philosophy and Education.....	12 hours
Latin, Greek, or Romance Languages.....	6 hours

GENERAL NOTE: Six (6) hours of English (which may be interpreted to include Public Speaking) shall be included as Group requirements in Groups 3 and 4, 6 and 7.

(b) FOR THE DEGREE OF BACHELOR OF SCIENCE

GROUP 1

Chemistry	18 hours
Biology, or Physics and Geology.....	12 hours
Biology, Mathematics or Physics.....	6 hours

GROUP 2

Mathematics	18 hours
Biology or Chemistry.....	12 hours
Biology, Chemistry or Physics.....	6 hours

GROUP 3

Biology	18 hours
Chemistry, or Chemistry and Physics.....	12 hours
Physics or Geology.....	6 hours

NOTE: Twelve hours in German or French are required in all groups leading to the degree of Bachelor of Science.

As a condition for graduation, students are required to have had at least three-fourths of the college course in residence at some accredited college, including the Senior Year at Geneva.

EXAMINATIONS, GRADES, AND REPORTS

I. Entrance Examinations.—Examinations for candidates for admission will be held as above stated, and at the same time the faculty will receive certificates from other institutions.

II. Semester Examination.—In each course and in all classes, examinations will be held at the close of each semester, upon all the studies pursued during the semester.

III. Second Examination.—Students who fail to do the work of the semester acceptably and to pass the examination at its close are required to pass another examination at a later date, or are put into a lower class, or dismissed from the college. A third examination can be taken by special arrangement only. The semester examination must be taken at the regular times appointed.

IV. Conditions.—Conditions imposed in the first or second semester must be removed within the following semester. Conditions existing in any department at the end of the college year must be removed to enable the students to begin work in that department the following year. Any deviation from these rules will require special action of the faculty.

V. Grading System.—The standing of a student in his work is indicated by the grade in the following scale to which he is assigned:

Grade A.—Equivalent to 100 to 90 per cent., or very good.

Grade B.—Equivalent to 90 to 80 per cent., or good.

Grade C.—Equivalent to 80 to 70 per cent., or fair.

VI. Reports.—At the end of each semester the class standing of each student in all his studies will be reported to the parents or guardian, who is earnestly advised to give these reports special attention, and promptly notify the Registrar of any failure to receive them.

VII. Payment of Tuition.—Students shall be regularly enrolled in the classes when they present to the professors a receipt for the semester's tuition from the Treasurer, or a statement satisfactory to the Treasurer and signed by him. Ten days' time shall be given students to settle with the Treasurer. After ten days the rule shall be rigidly enforced and no credits recorded until full settlement is made.

VIII. Registration Committee.—Each student is required to meet the Registration Committee at the beginning of each semester at a time set by the committee. A fee of \$1.00 will be charged for late registration.

Committee of the Faculty:

President A. A. Johnston,
Dr. Robert C. Colwell,
Miss Gyla MacDowell,
Dr. H. H. Wylie,
Prof. C. M. Lee.

IX. Limitation of Courses.—No student shall be allowed to carry more than seventeen semester hours without consent of the Faculty.

X. Regulations Regarding Absence, Tardiness, Failures, etc.—The following rules are called to the attention of the student:

If a student has fallen below in any subject he is notified at the mid-semester.

All students who have received warnings at the mid-semester are requested to see their advisor within a week. Students should take notice of warning with them for consultation. These should also see instructor of subject. Advisors for the Freshman are the Professors with whom they registered. For the other students the advisor is the head of the department in which the student is majoring.

A student who fails in two or more subjects at the end of the semester will be suspended from college the following semester.

No student shall represent the college in any collegiate or inter-collegiate activity unless he is taking at least twelve hours work and unless he has a passing grade in all subjects.

No absentees will be given gratis.

Excuses for absentees or tardiness must be presented to the Instructor within one week after the return of the student to college. Two unexcused tardinesses or two unexcused withdrawals from class before the end of the period will be counted as an absence.

Absence the last day before a vacation or the first day after a vacation count as double absences.

Each unexcused absence will be penalized by a reduction of 3% or equivalent, in final semester grade. Students should note that should they receive a grade of 76 and have three unexcused absences their actual grade will be 67, which means failure.

Withdrawals from courses will be counted as failures at the end of the semester, if the student does not secure the written permission of the Instructor or the Registrar. Blank forms for the same may be obtained from the Registrar.

Two semester hours of credit will be deducted from a student's credit for seven unexcused absences from chapel during a semester.

HONORS

The following special honors are awarded members of the graduating class: Valedictory, assigned the one of first rank during the last three years of the course; Salutatory, assigned the one of second rank during the last three years of the course.

RECAPITULATION OF EXPENSES

SCHOOL OF LIBERAL ARTS

A. B. and B. S. Degrees

(1) Tuition per semester.....	\$50.00
(For sons and daughters of clergymen, one-half the regular rate).	
(2) Contingent Fee per semester.....	10.00
(3) Incidental Fee per year.....	1.00
(4) Athletic Fee per year.....	10.00
(5) Chemistry Laboratory Fee per semester.....	6.00-8.00
(6) Biology Laboratory Fee per semester.....	3.00 to \$5.00
(7) Physics Laboratory Fee per semester.....	3.00
(8) Engineering Laboratory Fee per semester.....	2.50
(9) Examination other than regular.....	1.00
(10) Graduation Fee (in all departments).....	5.00
(11) Library Fee per year.....	1.00
(12) Extra Hours.....	1.50 per hour

Biology and Chemistry require in addition, a deposit of \$5.50 against breakage, etc.

EXTENSION SCHOOL

Per semester hour in course conducted at the college.....	\$5.00
Per semester hour in course conducted away from the College.....	6.00
Per semester hour to day students carrying extension work also....	2.50

(These rates hold true for all regular courses. Special courses will have rates announced at the installation of such courses).

SUMMER SCHOOL

For rates see Special Summer School Bulletin.

SCHOOL OF MUSIC

B. M. Degree

	One lesson per week	Two lessons per week
PIANO: (term of 10 weeks)		
Advanced, with director (private).....	\$20.00	\$35.00
Advanced, with director (class).....	12.00	20.00
Intermediate (private)	10.00	15.00
Primary	7.50	10.00
VIOLIN: (term of 10 weeks)		
Advanced	20.00	40.00
Primary	7.50	10.00
VOICE: (term of 10 weeks)		
Advanced	30.00	

SCHOOL OF PUBLIC SPEAKING

B. O. Degree

PRIVATE LESSONS: (term 16 lessons 1 lesson per week.....	\$25.00
(term 32 lessons) 2 lessons per week.....	45.00
(term 48 lessons) 3 lessons per week.....	69.00
Single Lessons	1.75

Expenses for Rooms and Board: see respective headings elsewhere in the catalogue.

All tuition, fees and one-half semester's board due and payable within the first ten days after the opening of each semester. Students who have not arranged for such payment will be excluded from classes at the end of the ten day period.

SCHOLARSHIPS

Two kinds of scholarships are offered:

First. Honor Scholarships, which are given yearly to the leaders in the graduating classes of certain designated High Schools in Western Pennsylvania. These scholarships pay all tuition for the first year.

Second. Geneva College Scholarships. These are controlled by the college or donors and are given each year to deserving students. The value of these scholarships is \$50.00 each, the interest on \$1000.00 for one year. Application blanks may be obtained from the Secretary, Geneva College, Beaver Falls, Pa.

COURSE OF INSTRUCTION

DEPARTMENT OF ASTRONOMY

15. This is a course in Descriptive Astronomy. The aim is however, to give a general knowledge of the subject, and the other branches receive attention. The history of the science is studied. Outside reading is required. Given in alternate years—(Not given 1922-1923).

Two hours a week, first semester.

Dr. Colwell.

DEPARTMENT OF BIBLICAL LITERATURE

The courses in the English Bible are designed to bring the student by approved modern methods to such a degree of familiarity with the Word as will lead him to appreciate its true worth and to use its ethical, philosophical, and sociological teachings in the building up of his view of the world. The Bible is used as the primary text

in most of the courses, and a large amount of library work is assigned. Eight semester hours are required. Except by permission these are to be taken in the basic courses, 15, 16, 17, 18. The number of advanced courses to be given each semester will be determined in some measure by the demand.

15. *Old Testament History, I.*—Strong emphasis is laid upon the genetics of the Bible. The historical development is followed through the Solomonic period. Two hours first semester, required.
Prof. Coleman.

16. *Old Testament History, II.*—The period extending from the division of the Kingdom through the Maccabean era to the time of Christ is studied with considerable emphasis upon the ethical and social teachings of the prophets. Two hours, second semester, required.
Prof. Coleman.

17. *The Life of Christ.*—The aim of this course is so to present the Gospels as to give an understanding and appreciation of the important events of Christ's life, of His person, character, and ideals, of the new truths He reveals and of His mission to the world. Two hours, first semester, required.
Prof. Coleman.

18. *The Apostolic Period.*—Attention is given to the rise and growth of the Christian Church, to Paul's missionary journeys, and to the Pauline Epistles as they show the reaction of the Christian teachings upon the Hebrew, Greek, and Roman conceptions of life. Two hours, second semester, required.
Prof. Coleman.

19. *The Prophetic Literature of the Bible.*—An inclusive study of the prophetic elements which in one form or another occupy almost one-half the Scriptures. Sacrificial and personal types are considered together with the predictive literature of the Old and New Testaments. Some study of the history of the nations surrounding Israel is necessarily involved. Three hours, first semester. Elective.
Prof. Coleman.

20a. *The Wisdom Literature.*—The Wisdom books are considered in their structure and teaching and applied to current philosophical problems. Two hours, first half of the second semester. Elective.
Prof. Coleman.

20b. *The General Epistles.*—These are considered in their historical setting with an intensive treatment of one or more of them. Two hours, second half of the second semester. Elective.
Prof. Coleman.

21. *The Sociology of the Bible.*—The Bible is the world's greatest source book for the study of social institutions, and its teachings have a practical bearing on all modern social problems.
Prof. Coleman.

22. *Biblical Pedagogy.*—A study of methods of Bible teaching. Each student is required to do a certain amount of Bible teaching as laboratory work. One hour, second semester. Elective.
Prof. Coleman.

23. *Seminar on Biblical Problems.*—An intensive study of Biblical problems, interpretative, historical, and practical. This course is intended for advanced students.

24. *Philosophy of Religion.*—Whether he intends it or not, everyone has a more or less consistent world-view of which his religion is a vital factor. In this course current religious world-views are analyzed with special emphasis upon that of Christianity. Three hours, second semester. Elective.
Prof. Coleman.

DEPARTMENT OF BIOLOGY

The aim of the courses in the Department of Biology is to give the student a comprehensive knowledge of the fundamental principles upon which the study of living organisms as a science is founded. Observation and study of plants and animals in the laboratory and in the field is emphasized together with the practical application of the work. Special effort is made to impress students in this department with the value of strictly scientific method so that these courses may serve as a basis for those who wish to do research work in this field. The courses are so arranged that work exclusively in either Botany or Zoology can be taken.

A breakage and purchase ticket is required of every student studying Biology. This may be obtained from the Local Treasurer by paying a deposit of \$5.00.

Attention is called to the courses which meet the requirements of the pre-medical course. Those desiring to meet the requirements of this course should take courses 21, 22, 25, 26 and 27, 30 and 32 if time permits.

Courses 29 and 33 have been arranged to meet the requirements of the teacher training law of Pennsylvania.

21. *Introduction to Zoology.*—An attempt is made in this course to give the student a working knowledge of the basic principles and concepts of zoology. The laboratory work includes the observation and dissection of the important invertebrate types and at least one vertebrate (frog). Emphasis is placed on accurate drawings and notes. (Laboratory Fee \$3.00). Lectures and recitations, 2 hours per week; Laboratory, 3 hours per week.

First semester, 3 hours credit.

Prof. Wilson and Assistant.

22. *Introduction to Botany.*—This course gives a general introduction to the study of plant life. A study of plant structures is made and the student is given an opportunity to study the plant in the field. Use of the compound microscope is taught and an effort is made to develop skill in the making of accurate drawings. This course is offered with course 21 for those who desire one year of general biology. (Laboratory Fee \$3.00). Lectures and recitations, 3 hours per week. Field trips all day Saturday.

First semester, 3 hours credit.

Prof. Wilson and Assistant.

23. *Botany, Morphology of Thallophytes and Bryophytes.*—This course gives a student a knowledge of the structures of the important types of plants. It considers, (1) the origin and evolution of sex; (2) origin of stationary plants; (3) parasitism, sap-

rophytism symbiosis; (4) origin of a distinct alternation of generations. All those who desire to continue work in Botany or teach Botany should take this course and course 24. Text, "Text-book of Botany," Coulter Barnes and Cowles. (Laboratory Fee \$3.50). Prerequisite, course 22 or equivalent. Lectures and recitation, 1 hour per week; Laboratory, 6 hours per week. (Not given in 1922-1923).

First semester, 3 hours credit.

Prof. Wilson.

24. *Botany Morphology of Pteridophytes and Spermatophytes.*—A continuation of course 23. A careful study is made of the development of flowering plants and the advance of sporophyte and reduction of the gametophyte. Text, "Text-book of Botany," Coulter Barnes and Cowles. (Laboratory Fee \$3.50). Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week. (Not given in 1922-1923).

Second semester. Credit, 3 hours.

Prof. Wilson.

25. *Invertebrate Zoology.*—A detailed study of type forms. With the aid of dissections and drawings, a comparative study of the forms of all the invertebrate phyla are made. (Laboratory Fee, \$4.50). Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week. Prerequisite course, 21 or its equivalent.

First semester. Credit, 3 hours.

Prof. Wilson.

26. *Vertebrate Zoology.*—A detailed study and comparison is made of such types of vertebrates as the dogfish, frog, pigeon and cat. Special attention is given to the dissection of the cat as an example of mammalian anatomy. (Laboratory Fee \$4.50). Lecture and recitation, 1 hour per week; Laboratory, 6 hours per week. Prerequisite, courses 21 and 25.

Second semester. Credit, 3 hours.

Prof. Wilson.

27. *Animal Histology.*—Methods of fixing, imbedding, sectioning, staining and mounting animal tissues. Microscopic study and drawing of same. Open to those who have had sufficient training in Zoology. No one should register for this course without first consulting the instructor. (Laboratory Fee \$5.00). Lecture or Recitation, 1 hour per week; Laboratory, 6 hours per week. (Not given in 1922-23).

First semester. Credit, 3 hours.

Prof. Wilson.

28. *Methods in Plant Histology.*—This course deals with the principles and methods of killing, fixing, imbedding, sectioning, staining, and mounting. It is open to those who have had sufficient training in Botany and Zoology. No one should register for this course without first consulting the instructor. Text, "Methods in Plant Histology," Chamberlain. (Laboratory Fee \$5.00). Lectures and Recitations, 1 hour per week; Laboratory, 6 hours per week.

Second semester. Credit, 3 hours.

Prof. Wilson.

29. *Methods of Teaching Biology.*—This course is designed for students who expect to teach science and for teachers who wish to meet the requirement of the Pennsylvania state laws for teachers. The course consists of lectures on the teaching of Botany and Zoology; instruction and practice are given in the collecting of material for class room use; the making of microscopic slides sufficient for a class in high school and the making of lantern slides. Oppor-

tunity will be given for examination and comparison of text-books in these subjects. Each student will be expected to make a number of observations of teaching in their subject in nearby high schools and give report of same. (Laboratory Fee, \$3.00). Lectures and recitations, 2 hours per week; Laboratory, 3 hours per week. Prerequisite, courses 21 or 22 or equivalent.

Second semester. Credit, 3 hours.

Prof. Wilson.

30. *Embryology*.—A study of the embryological development of vertebrate animals with emphasis on the chick and pig. Slides of the chick will be made. (Laboratory Fee, \$5.00). Lectures and recitations, 1 hour per week; Laboratory, 6 hours per week. Credit, 3 hours. Prerequisite, courses 26 and 27. (Not given in 1923-24).

Second semester. Credit, 3 hours.

Prof. Wilson.

31. *Heredity and Genetics*.—This course deals with the fundamental principles of heredity and their application to animal and plant breeding. Consideration is given to the theory of germ plasm, mutation, variation and Mendel's law. Lectures and recitations, 1 hour per week. Prerequisite, course 21 or 22.

Both semesters. Credit 1 hour each semester.

Prof. Wilson.

32. *Bacteriology*.—This course is designed primarily for pre-medical students but it will be found valuable for those interested in the economic importance of micro-organisms. Bacteria of disease as well as those of fermentation and decay are studied. (Laboratory Fee, \$5.00). Lectures, 1 hour per week; Laboratory, 6 hours per week. (Not given in 1923-24).

Credit, 3 hours.

Prof. Wilson.

33ab. *Human Physiology*.—This course deals with the structures and functions of the human body, including digestion, assimilation, excretions, irritability, etc. Emphasis is placed on problems of hygiene and sanitation. This course will be found valuable to those who wish to learn more of the care of the human body, to those interested in community health problems, and to teachers of physiology in the public schools. (Laboratory Fee, \$3.00). Lectures and recitations, 2 hours per week; Laboratory, 3 hours per week.

Both semesters. Credit, 3 hours.

Prof. Wilson and Assistant.

DEPARTMENT OF CHEMISTRY

15. *General Inorganic Chemistry*.—This course is designed for all students who desire to become acquainted generally with the many chemical relations which are of such great importance in the ordinary affairs of life. A fundamental chemical knowledge is established, upon which further chemical study may be based. Three lectures or recitations and two 3-hour laboratory periods per week; throughout the year.

Professor Coon.

16. *Advanced General Inorganic Chemistry*.—Open to those students who offer Chemistry for entrance. A course, in many respects similar to course 15, with special emphasis on the fundamental theories and laws of general chemistry. The quantitative nature of chemical reactions is stressed and during the latter part of the course the elements of qualitative analysis are introduced. Two lectures and two 3-hour laboratory periods per week; throughout the year.

Professor Coon.

17. *Qualitative Analysis*.—A careful study is made of the principles and reactions involved in the qualitative detection of the ionic constituents of the most important salts. Two discussions or recitations and two 3-hour laboratory periods per week; first semester. Prerequisite, course 15 or 16. *Professor Coon.*

18. *Quantitative Analysis*.—In this course, the elements of quantitative analysis, both gravimetric and volumetric, are presented and the corresponding laboratory practice developed. Two lectures and two 3-hour laboratory periods per week; second semester. Prerequisite, course 15 or 16; course 17 is desirable *Professor Coon.*

19. *Advanced Quantitative Analysis*.—A continuation of course 18, in which the methods of analyzing ores, steels and other commercial products are studied. Two lectures with accompanying laboratory. *Professor Coon.*

20. *Organic Chemistry*.—A course, in which are discussed the fundamental theories concerning the constitution of organic compounds. The typical reactions of the aliphatic series and many of the aromatics are emphasized. Two lectures or recitations and two 3-hour laboratory periods per week; first semester. Prerequisites, course 15 or 16; courses 17 and 18 and desirable. *Professor Coon.*

22. *Introductory Physical Chemistry*.—A comprehensive study is made of the modern theories of solution, chemical equilibrium, thermo and electro-chemistry. One lecture and one 3-hour laboratory period per week; throughout the year. Prerequisites, course 15 or 16, and courses 17 and 18; course 20 also desirable. *Professor Coon.*

25. *The Teaching of Chemistry*. A course designed for those who intend to teach Chemistry in secondary schools. It will deal with the fundamental problems which are likely to occur in such work.

Second semester. 2 hours credit.

Professor Coon.

DEPARTMENT OF ECONOMICS

15. *Economics*.—The principles and laws of value, price, production, consumption, distribution, and exchange will be considered and discussed in their relation to current problems. These economic principles will then be applied to the problems of labor, immigration, transportation and monopoly. Special attention will be paid to money and banking, government control, labor unionism, and socialism. A text will be used supplemented extensively by lectures and collateral reading.

Both semesters, three hours a week. Open to Sophomores, Juniors and Seniors. *Prof. Johnston.*

16. *Labor Unions*.—The background, structure, political activity and transitional stages of labor unions will be studied and discussed. Special emphasis will be placed upon collective bargaining, strikes and the legal aspects of the problem.

Second semester, two hours a week.

Prof. Johnston.

17. *Business Principles*.—A broad survey of business principles so that the student may survey the business machine as a whole. The survey will include such subjects as Financing, Management, Wage Systems, Purchasing, Selling, Credit, and Accounting.

First semester, 2 hours a week.

Prof. Johnston.

18. *Railway and Railroad Problems*.—This course traces the development of American Railway transportation, analyzes the chief railway problems in the United States, and devotes particular attention to the regulation of railways by the Interstate Commission. Current adjustments are noted and discussed and also the period of government war time operation.

Second semester, 3 hours.

Prof. Pollock.

19. *Corporation Finance*.—This course aims to study the organization and intercorporate relations of modern industrial enterprises, with special reference to problems of finance. It deals with such subjects as the nature and varieties of stocks and bonds, capitalization and reorganization, and the distribution and price movements of corporate securities. Concrete cases are discussed. (Given in 1921-22).

First semester, 2 hours.

Prof. Pollock.

20. *Money and Banking*.—This course studies the monetary system of the United States, money and prices, credit and banking, domestic and foreign exchange, and compares the banking system of the United States with other banking systems. (Given in 1922-23).

First semester, 3 hours.

Prof. Pollock.

DEPARTMENT OF EDUCATION

15a. *Introduction to Teaching*.—This course will include a discussion of the aims of our public schools, the general work to be accomplished by the primary, intermediate, Junior High, Senior High, and rural schools, respectively, the opportunities for teaching service in each of these fields, and the qualifications required of teachers in each field. As its name implies it is to serve as an introductory educational course and to help the student to decide in what field he might want to teach. A certain amount of observation will be required in each field. Prerequisite, General Psychology 15.

First semester, 3 hours credit.

Dr. Wylie.

15b. *History of Education*.—Emphasis is placed on the chief movements and tendencies in educational thought and practice from ancient times to the present century. It is attempted to find the relation between the ideals of the most important peoples and their modes of education and to criticize our own ideals and methods in the light of these. Required prerequisite, Psychology.

Second semester, 3 hours.

Dr. Wylie.

16. *Principles of Secondary Education*.—The scope of secondary education, the underlying factors which should determine character, the organization of secondary education, and the subject matter which should be taught. Advised prerequisite, Education 15a and 15b.

First semester, 3 hours.

Dr. Wylie.

17. *School Administration*.—This course aims to cover in a preliminary way the administration of public education in the United States. An attempt is made to state what school administration is, what it has done, and what it ought to accomplish in the future.
Second semester, 3 hours. *Dr. Wylie.*

18. *Practice and Observation Teaching*.—This course is arranged so that each student enrolled will get a minimum of fifty-four hours of actual teaching and fifty-four hours of actual observation during the year. Special arrangements with the Head of the Department must be made by each student taking this course before the school year actually begins. Six hours credit. *Dr. Wylie.*

19. *Elementary Principles and Methods*.—This course is intended to cover for Elementary work what course 16 covers for Secondary Education. The scope of Elementary Education, the underlying factors which should determine its character, the organization, the subject matter, and the general principles which should guide in method will be discussed.
Second semester, 3 hours. *Dr. Wylie.*

20. *The Teaching of Biology in the Secondary Schools*.—This course is designed for students who expect to teach science and for teachers who wish to meet the requirement of the state laws. The course consists of lectures on the teaching of Botany and Zoology; instruction and practice are given in the collecting of material for class room use; the making of microscopic slides sufficient for a class in high school and the making of lantern slides. Opportunity will be given for examination and comparison of text-books in these subjects. Each student will be expected to make a number of observations of teaching in their subject in nearby high schools and give report of same. (Laboratory Fee, \$3.00). Lectures and recitations, 1 hour per week; Laboratory, 3 hours per week. Credit, 2 hours. Prerequisite, courses 21 or 22 or equivalent.
Second semester. Credit, 2 hours. *Prof. Wilson.*

21. *The Teaching of English in Secondary Schools*.—This course aims to cover the problem of methods in teaching oral and written composition and in teaching literature, the organization of courses in Secondary School English, the selection of books for library and home reading. A number of books on method will be examined and also a number of the better class texts that are now in general use. Some observation may be required.
3 hours one semester. *Miss MacDowell.*

22. *The Teaching of the Classics in Secondary Schools*.—Main emphasis on Latin teaching. Latin prose composition, scansion, text-book selection, motivation, etc. A knowledge of Greek will prove helpful.
Second semester, Junior year, 3 hours. *Prof. Lee.*

23. *The Teaching of Modern Languages in Secondary Schools*.—This course is for all those interested in the teaching of foreign languages. The aim of the course is to organize the various kinds of knowledge necessary for teaching modern languages in the secondary schools. It deals with methods, subject matter and the apparatus of modern language teaching. Courses of study, text-books, grammar,

literature, history, pictures and charts form the chief topics for discussion. A class of boys and girls will be taught by the instructor. Prerequisite, General Psychology, French 15, 16, 17, and 18

One semester, 3 hours.

Miss Stewart.

24. *The Teaching of Chemistry in Secondary Schools.*—A course designed for those who intend to teach Chemistry in the Secondary Schools. It deals with the fundamental problems which are likely to occur in such work.

Second semester, 2 hours credit.

Professor Coon.

DEPARTMENT OF ENGINEERING

1. *Descriptive Geometry.*—A study of the representations and relations of points, lines, planes and solids. Orthographic Projections. Two hours per week during first semester. Text: "Descriptive Geometry," Tracey and North.

Prof. Edgecombe.

2. *Mechanical Drawing.*—Instruction and practice in lettering and titling, sectioning, working drawings, orthographic and isometric drawings, topographic drawings and structures, sketching, etc. Shorter courses arranged to meet the demand of the class. One hour lecture and eight hours office work per week, both semesters. Text: "Mechanical Drafting," Howe; "Engineering Drawing," French.

Prof. Edgecombe.

3. *Plane and Topographical Surveying.*—Lectures and field work. Instruction in the various methods of surveying by chain and by instruments; topographic, hydrographic and mining surveying; and the construction, adjustments and use of the compass, transit, level, sextant, plane table, solar transit, etc. The field work for the first semester consists of making an extensive chain survey and platting the same in the office; adjusting the compass; and practice in its use in the traverse and in obtaining areas; adjusting the transit and practice in its minor uses. Second semester, stadia and gradient work; solar work for latitude, longitude and time; leveling, cross-sectioning; planetable; practice in gauging power of streams; practice in laying out simple and compound curves. Much of the work done in the field is plotted in the office. Every student has field practice in each position of the corps. Three hours' lectures, "Gillespie's Plane Surveying," Vol. I. References, Raymond, "Plane four hours' field work per week during both semesters. Texts: Surveying"; Gillespie's "Plane Surveying," Vol. II; Lea, "Hydrographic Construction"; Webb, "Railroad Construction"; Blanchard, "Highway Construction."

Prof. Edgecombe.

DEPARTMENT OF ENGLISH

24. *Rhetoric and Composition.*—A general survey and study of the forms of prose literature. Exercises in both oral and written composition. Required reading of illustrative examples of the kind of writing or speaking the student is doing at the time. Daily themes oral or written. Text: Baldwin: Composition Oral and Written; Shurter: The Rhetoric of Oratory; Pitkin: Short Story Writing; Pitkin: Studying the Short Story. Prerequisite: see College Entrance Requirement. Time, 3 hours per week during entire year.

Prof. Moore.

25. *Old and Middle English*.—History of Old and Middle English studied. Reading of Beowulf, Old English Prose and Poetry; Malory's Mort-d'-Arthur—Tennyson's Idylls of the King; Chaucer's Canterbury Tales; Spenser's Faerie Queene and Bacon's Essays. Fortnightly themes. Texts: Beowulf: Child's translation Old English Prose and Poetry; Cook and Tinker: Chief Middle Poets; Jessie Weston: Canterbury Tales, MacMillan Edition; Faerie Queene, Macmillan Edition; Bacon's Essays. Prerequisite, English 24. Time, 3 hours per week, first semester. *Miss MacDowell.*

26. *Shakespeare*.—Study of the predecessors and contemporaries of Shakespeare. Extensive readings of some twenty-five of Shakespeare's plays with the aim of understanding something of the development of his mind and art. Fortnightly themes. Texts: Shakespeare's complete works; Hanly: "Pre-Shakespearean Drama"; Wendell: "William Shakespeare." Prerequisite, English 24. Time, 3 hours per week, second semester. *Miss MacDowell.*

27a. *Milton*.—Study of Paradise Lost, Paradise Regained, Samson Agonistes, the minor poems and selections from Milton's Prose. Text: Milton's Poems (Student's Cambridge Edition); Selections from Milton's Prose; Lockwood; Milton: Stopford Brooke. Prerequisite, English 24. Time, 1 hour per week, first semester. *Miss MacDowell.*

28. *Dante*.—Study of Dante's Inferno, Purgatorio and Paradiso. Texts: Gardner's Dante Primer; Dante's Divine Comedy—Longfellow's Translation. Prerequisite, English 24. Time, 1 hour per week, first semester. *Miss MacDowell.*

29. *Literary Criticism*.—This course aims to put the student in possession of the general principles by which all literature may be judged and appreciated. Definite application of these principles is taught by concrete illustrations. Text: Principles of Literary Criticism: Winchester. Prerequisite, English 24. Time, 1 hour per week, first semester. *Miss MacDowell.*

30a. *Classicism and Romanticism*.—Lectures and recitations tracing the Romantic Movement from its beginning to its full triumph. Required readings from Dryden, Pope, Addison, Swift, Thompson, Johnson, Goldsmith, Gray, Chatterton, Cowper, Blake, Burns and Wordsworth. Text: The Beginning of the Romantic Movement in the 18th Century: Phelps. Prerequisite, English 24. Time, 1 hour per week during second semester. *Miss MacDowell.*

31b. *Tennyson and Browning*.—Tennyson and Browning are studied as representative poets of the 19th century. Texts: Tennyson (Student's Cambridge Edition); Phelps: Browning, How to Know Him. Prerequisite, English 24. Time, 1 hour per week during second semester. *Miss MacDowell.*

32a. *American Poets*.—A study of our representative American poets: Bryant, Whittier, Longfellow, Lowell, Emerson, Poe, Whitman, Lanier, Carleton, Riley, Sill, Van Dyke, Mitchell, Service, Gilder, Wilcox, Masters and others. Text: Representative American Poets: Percy Boynton. Prerequisite, English 24. Time, 1 hour per week during second semester. *Miss MacDowell.*

33a. *Modern Drama*.—Lectures and Readings—Ibsen, Sudermann, Hauptmann, Shaw, Barrie, Stephen Phillips, Bennett, Rostand, Breiux, MacKaye, Yeats, Synge, Lady Gregory, Galsworthy, Strindberg and others. Texts: Chief Contemporary Dramatists by Dickson; Representative American Plays by A. H. Quinn. Prerequisite, English 24. The student electing this course is advised to take in connection with it Public Speaking No. 18. Time, 3 hours per week, first semester.
Miss MacDowell.

33b. *Poetry of To-day in America*.—Richard Watson Gilder, Robert Frost, Walter Bynner, Edwin Arlington, Robinson, William Vaughn Moody, Carl Sandburg, Edgar Lee Masters, Vachel Lindsay, Richard Hoyey, Amy Lowell, Ella Wheeler Wilcox, Sara Teasdale, Allen Seeger, Joyce Kilmer and others. Text: New Voices by Margaret Wilkinson. Prerequisites, English 24, 27, 28, 29 and 30, 31, 32. Time, 1 hour per week. First semester; also second semester.
Miss MacDowell.

34a. *British Poets of 19th Century*.—A study of Coleridge, Scott, Byron, Shelley, Keats, Landor, Arnold, Swinburne, Rossetti, Kipling, Service, Noyes, Drinkwater, Rupert Brooke Bridges and other English poets of to-day. Text: British Poets of the 19th Century by C. H. Page. Time, 1 hour per week, second semester.
Miss MacDowell.

34b. *English Essayists of 19th and 20th Centuries*.—Advanced study, noting biographical, historical, philosophical qualities—the relation of such literature to forces of social life. The work is based on typical essays of Lamb, DeQuincey, Macauley, Carlyle, Ruskin, Stevenson, Newman, etc. Text: A Book of English Essayists by Winchester. Time, 1 hour per week, second semester. (Given in 1921).
Miss MacDowell.

34b. Representative American Plays by A. H. Quinn. Historic review of American Drama. Time, 1 hour per week, second semester. (Not given in 1921, but given in 1922).
Miss MacDowell.

34c. Continuation of 33b. Prerequisite, English 24, and 27, 28, 29, and 30, 31, 32. Time, 1 hour per week, second semester.
Miss MacDowell.

35. The Teaching of English in Secondary Schools. (See Education 22).
Miss MacDowell.

DEPARTMENT OF GEOLOGY

In the work of this department a study is made of the great earth processes both for the purpose of technical information and for the cultural value which accrues from the scientific examination of the present and past processes. The work is intended to serve as a foundation for future work in geology, for preparation for those who wish to teach science in high schools or for those who wish to take a year's science for cultural purposes.

15. *Physiography*.—A study of the earth processes of erosion, deposition, glaciation, diastrophism, etc., as they are known today. A brief study is also made of the interpretation of topographic maps. The course concludes with a short study of the subject of meteorology. Text: Sallsbury: "Physiography—Advanced Course." Prerequisite, none. First semester, 3 hours a week. *Prof. Wilson.*

16. *Historical Geology*.—A study of the past history of the earth as interpreted by application of the principles learned from a study of the present processes. A brief study of the folios of the U. S. Geological Survey is made in connection with the work. Geology 15 is a desirable prerequisite. Second semester, 3 hours a week. *Prof. Wilson.*

17. *Field Geology*.—The region around Beaver Falls is exceptionally rich in material for field geology. Trips are made to various places of interest and important geological problems are studied and worked out by the student in the field.

DEPARTMENT OF GREEK

The course in Greek covers four years and its aim is to furnish to competent students a preparation for later professional studies and also to serve as an approach to the higher ranges of thought and culture. "Everything begins with the Greeks," and the Greek soul, if acquired in a fair measure, will make it easier for a capable student to find his way through the great books, ideas and art productions of the world. The assistance of Greek in studying the English language, and in scientific terminology is emphasized by study of cognates and derivatives.

It is understood that the courses as given here indicate the order of study most profitable to the student and that each course is a prerequisite of the following. Any divergence requires consultation. Wright's "Greek Literature" is a required hand-book in these courses for easy and interesting English reference.

15. *Beginner's Course*.—Grammar or Exercise Book and Reader. Open to all who have fair linguistic capacity and who are familiar with the leading concepts and terminology of English and Latin Grammar.

First and second semester of Freshman year, 3 hours.

Prof. Lee.

16. *Xenophon or Herodotus*.—Parts of one or both authors with special attention to the structure of the Greek language and differences between the Attic and Ionic dialects. Readings from Histories of Greece in English.

First semester of Sophomore year, 3 hours.

Prof. Lee.

17. *Septuagint*.—Selections from Old Testament Greek, introducing the student to the Hellenistic dialect.

Second semester of Sophomore year, 3 hours. *Prof. Lee.*

18. *Plato*.—Apology, Crito, Phaedo, Platonic style and ideas; special notice of the character of Greek philosophical thinking and of the men who taught future generations the meaning of "reasoned truth." Study of the life of Socrates.

First semester of Junior year, 3 hours. *Prof. Lee.*

19. *Greek Drama*.—Aeschylus, Euripides, Aristophanes. Drama invented by the Greeks. Nature of public address through action and word; linguistic peculiarities and comparison with later types of the same form.

Prof. Lee.

20. *Greek History*.—See department of History.

Second semester of Junior year, 3 hours. *Prof. Lee.*

21. *Homer*.—About three books are read in detail and additional quantities more rapidly for the sake of the swing and interest of the story. Special attention to the "simple, rapid, plain and noble" manner of Homer. Readings from the best books on Homer. Scansion of the Greek hexameter.

First semester, Senior year, 3 hours. *Prof. Lee.*

22. *An Anthology of Hellenic Poetry*.—A survey of lyric verse from the seventh century to the third, from the elegiac, iambic and melic poets.

Second semester, Senior year, 3 hours. *Prof. Lee.*

DEPARTMENT OF HISTORY

20. *Greek History*.—A general survey of the political and social history of Greece with particular attention to the struggle with Persia, the Athenian Empire, the hegemony of Sparta, the Greek colonies, the empire of Alexander, and the Hellenistic period. Lectures, collateral reading and reports.

First semester, 3 hours a week. *Prof. Lee.*

21. *Roman History*.—A brief study of the life and government of the early Romans, the conquest of Italy and the world, the struggle with Carthage, conditions under republic and empire, Roman provincial government, education and law; the introduction of Christianity, and the division and decay of the empire. Lectures, reading, and reports.

Second semester, 3 hours a week. *Prof. Lee.*

22. *History of England from the Reform Bill of 1832 to the Present Time*.—This course pays particular attention to foreign relations and to the development that brought England into the war. The social and industrial problems of England together with the development of the Empire, and the progressive legislation following the Reform Bills are considered. The development of the self-governing colonies and the recent legislation including the Representation of the People Act of 1918 and the Parliament Act of 1911 are studied.

First semester, 3 hours. (Given in 1921-22.) *Prof. Pollock.*

23a. Political and Constitutional History of the United States.—This course together with course 2 in the second semester, covers the history of the United States from the outbreak of the Revolutionary War up to the present time. In the first semester attention is given to the Revolutionary War, the relation of the Continental Congress and the states, the Constitutional Convention, the organization of the government, reform movements of the Jeffersonian Democracy, development of national feeling, the westward movement, slavery and abolition, and the final clash culminating in the Civil War.

First semester, 3 hours.

Prof. Pollock.

23b. Political and Constitutional History of the United States.—This course is a constitutional course 1, and covers the history of the United States since the Civil War. Beginning with the Reconstruction period, special attention is given to national development and expansion, economically, socially, and in foreign affairs. The interesting political history of the eighties and nineties, together with the political revolution under Roosevelt and the Democratic victory of 1912, and the administrations of Wilson, provide the material for study in this course.

Second semester, 3 hours.

Prof. Pollock.

23c. American Government.—This course is a study of the national government. It aims to acquaint the student with the actual workings of our government in all its branches. This course also considers current political topics.

First semester, 3 hours.

Prof. Pollock.

24a. European History.—This course together with course 24b in the second semester covers the history of Europe from 1600 up to 1920. This course covers the history of Europe up to 1815, including the Napoleonic Era and the Congress of Vienna.

First semester, 3 hours.

Prof. Pollock.

24b. European History.—This course is a continuation of course 3 and is a study of Europe since 1815.

Second semester, 3 hours.

Prof. Pollock.

24c. Europe since 1870.—This course covers the important years from 1870 to 1920, into which are crowded so many interesting and wonderful events. It aims to cover thoroughly and intensely the international rivalries, the political transformations, the political and social developments, and all other subjects that have a direct bearing on the history of the period. It covers the period of the Great War and the Treaty of Versailles.

Second semester, 3 hours. (Not given in 1922-23.)

Prof. Pollock.

31. History of Art.—This course will consist of lectures, illustrated lectures, recitations, note-book reports and an occasional quiz. Texts used: Hamlin: History of Architecture; Marquand: History of Sculpture; Van Dyke. History of Painting.

Time, 2 hours per week throughout the year.

Miss MacDowell.

32. International Law.—This course covers the elementary principles of the subject, the investigation of international events, and the study of leading cases.

Second semester, 3 hours.

Prof. Pollock.

DEPARTMENT OF LATIN

Six semester courses are offered in Latin and the aim in all is specific preparation for literary, educational and professional life. The editor of the New York Sun once said that his best proof of the value of classical study was forty years in a newspaper office. Information, social and literary background, power of interpretation and varied expression are sought in a language that gives forty-eight per cent. of our English words.

Three years of preparatory Latin are required for entrance, but the third year may be made up by approved arrangements after entering college.

With all the following courses there are readings prescribed to acquaint students with the great books on these subjects and to illuminate the texts. Mackail's "Latin Literature" is the required handbook for all these courses.

15. *Cicero*.—De Amicitia and De Senectute.

Some of the philosophy and ethics of Rome's foremost prose writer.

First semester of Freshman year, 3 hours.

Prof. Lee.

16. *Livy*.—Selections from the first and third decades of Roman History. The founding of Rome, and the Hannibalic War.

Second semester of Freshman year, 3 hours.

Prof. Lee.

17. *Selections from Eight Latin Poets*.—An anthology from such writers as Ennius, Catullus, Horace, Ovid, Seneca and Martial studied in chronological order to show the development of Latin Poetry. Some of the Satires of Juvenal will also be read for their realistic picture of Roman Life under the empire.

First semester, Sophomore year, 3 hours.

Prof. Lee.

18. *Seneca*.—Medea, Hercules Furens, or Troades. Greek Tragedy through a Roman mind. Latin of the first century of the Christian era. Roman philosophy and ethics.

Second semester of Sophomore year, 3 hours.

Prof. Lee.

19. *Plautus*.—Trinummus or Captivi. Early and colloquial Latin. Intimate knowledge of the plain people of the early Republican period of Rome; study of Roman Comedy.

First semester of Junior year, 3 hours.

Prof. Lee.

20. *Tacitus*.—Annals, The Latin of the Silver Age, a Roman History Source.

Prof. Lee.

21. *Roman History*.—See Department of History.

Prof. Lee.

22. *The Teaching of the Classics in Secondary Schools.*—Main emphasis on Latin teaching. Latin prose composition, scansion, text-book selection, motivation, etc. A knowledge of Greek will prove helpful.

Second semester, Junior year, 3 hours.

Prof. Lee.

DEPARTMENT OF MATHEMATICS

The required courses in this department are designed to give a thorough training in the fundamental principles and operations of elementary mathematics. In the Sophomore year differential and integral calculus is studied, special emphasis being placed upon the practical application of this subject to many problems in physics, mechanics and engineering. The work of the Junior and Senior years introduces the student into the wide field of modern mathematics and is intended primarily for those who wish to specialize in this subject. The student who takes the full work of this department will find himself well qualified to teach mathematics in the elementary schools or to continue his work in higher institutions of learning.

15. *Advanced Algebra.*

Two hours a week, throughout the year.

Dr. Colwell.

16. *Trigonometry.*

Three hours a week, second semester.

Dr. Colwell.

17. *Analytical Geometry.*

Two hours a week, second semester.

Dr. Colwell.

18. *Differential and Integral Calculus.*—The theory of limits, differentiation, implicit functions, maxima and minima, indeterminate forms, expansion of functions, partial differentials, applications, integration as a summation, standard forms, application to practical problems. Text-book: Granville's Differential and Integral Calculus.

Three hours a week, both semesters.

Dr. Colwell.

19. *Differential Equations.*—Equations of the first and second order of linear equations, solutions in series, partial differential equations, etc. Text-book: Cohen's Differential Equations.

Two hours a week, throughout the year.

Dr. Colwell.

20. *Analytic Mechanics.*—Composition and Resolution of Forces, forces acting on a rigid body, center of gravity, friction, laws of motion, constrained motion, work and energy. Text-book, Jean's Theoretical Mechanics.

Two hours a week, throughout the year.

Dr. Colwell.

21. *Fouriers Series and Harmonic Functions*.—Development in series, solution of certain partial differential equations. Text-book: Byerly's *Fouriers Series and Spherical Harmonics*.

Three hours a week

Dr. Colwell.

DEPARTMENT OF PHILOSOPHY

15. *The Problems of Philosophy*.—The aim of this course is to introduce the student into the field of philosophy and give him a birdseye view of the main problems found there. By taking a comprehensive and rapid glance at the entire field as far as the general problems in it are concerned the student will be prepared for the courses in History of Philosophy and Ethics which follow. The work of this course will consist of class discussions based upon some text or texts, lectures, written quizzes and reports on assigned reading. This course will be open to Juniors and Seniors.

First semester, 3 hours.

Dr. Wylie.

16. *History of Philosophy*.—The aim of this course is to trace the progress of philosophic thought from the Greek period to the present and to notice how the problems studied in Philosophy 15 gradually took definite shape and what solutions were offered for them. Special emphasis is laid upon the proper interpretation of each period, the criticism of each, and the discovery of the line of continuity in the whole. Class discussions, lectures, written quizzes. This course will be open to Juniors and Seniors. Advised prerequisite, Philosophy 15.

Second semester, 3 hours.

Dr. Wylie.

68. *Introductory Ethics*.—This aims to give (1) an historical survey of the development of ethical theory, (2) sufficient critical and constructive work to assist the student in making a start toward formulating his own ethical ideas, (3) a brief study of some of the most important personal and social ethical problems of the present day. Text: Drake's *Problems of Conduct*. This course is open to Juniors and Seniors and it is recommended that its election be deferred until the Senior year.

Second semester, 2 hours.

Prof. Clarke.

DEPARTMENT OF PHYSICAL EDUCATION

(1) All students must take 3 periods per week for 18 weeks in this department. No student will be exempted from this work except by special consideration from the faculty.

(2) No credit will be given for less than three months' training.

(3) Students may be allowed to substitute training for any athletic team for the regular work in the gymnasium, provided their attendance is regular and is reported. The

student himself assumes the responsibility for seeing to it that such attendance is reported regularly.

(4) All students are required to have two years' credit in this department before being granted a diploma.

DEPARTMENT OF PHYSICS

This department occupies the second floor of the Science Hall. There are two well equipped laboratories: one for general physics and one for advanced electricity. The advanced course in electricity deals with the latest development in radio telegraphy.

15. General Advanced Physics.—This course comprises the leading facts and principles of the several branches of Physics. Instruction is given by lectures, with appropriate illustrative experiments, and by recitations, oral or written, based upon lectures and assignment of lessons from the text-book. Algebra, Geometry and Trigonometry represent the extent of mathematical preparation required. Laboratory work is required.

Lectures, 3 hours a week, both semesters.

Dr. Colwell.

LABORATORY COURSE

The work in this course comprises methods of mathematical demonstration and investigation of the principles of physics and instruction in the use and adjustment of instruments, together with quantitative problems. A note book is required in which the student records observations, results and deductions therefrom, drawings of the apparatus used and diagrams illustrating the process accompanying each solution.

The major portion of the experiments is taken from Millikan and Mann's Molecular Physics and Heat, and Millikan's Sound, Heat and Electricity.

Two hours a week throughout the year.

16. Practical Wireless Telegraphy.—The modern instruments of radio telegraphy are studied. Practice is given in commercial sending and receiving. Prerequisite, High School Mathematics.

Lectures and Laboratory, 2 hours a week, First semester.

Dr. Colwell.

17. Theory of Radio Telegraphy.—This is a somewhat advanced course in the theory and use of wireless apparatus. The equations of electric oscillations are taken up. Prerequisite, one year of college mathematics; a knowledge of calculus will prove helpful.

Lectures, 3 hours a week throughout the year.

Laboratory, 2 hours a week throughout the year. *Dr. Colwell.*

5. Problems in Physics.—This course is required in the Engineering course.

Two hours a week throughout the year.

Dr. Colwell.

DEPARTMENT OF POLITICAL PHILOSOPHY

15. *Political Philosophy*.—It is the aim of this course to present the philosophy of the State in its psychological, metaphysical, ethical and religious aspects. The metaphysical view which holds the State to be a natural social person, instituted by God, grounded in the political nature of man, and constituted in manifold ways by developing in society, is the view which receives special attention. The practical application of this view is made to the questions of sovereignty, authority, law and the relation of States to the Kingdom of Jesus Christ. The aim, in a word, is to discover the politico-moral principles which are involved in the nature of the State and to work these principles out along the lines of their practical application. Text-book, lectures, thesis.

Three hours a week, two semesters.

Prof. Coleman.

DEPARTMENT OF PSYCHOLOGY

15. *Introductory Psychology*.—The aim of this course is to acquaint the student with the processes of the normal human mind, and to furnish a basis for psychological insight. Sufficient account is taken of abnormal psychology to enable one to determine with some degree of certainty, what is normal and what is pathological. Comparative psychology is also used to some extent to give a better understanding of human psychology. The main divisions of the course are the neurological basis of the psychic life, the cognitive processes, the affective processes, the volitional processes, and the self. Some text will be required.

Both semesters, 3 hours.

Mrs. Wylie.

16. *Social Psychology*.—An attempt to classify and to understand the various forms which the social mind takes; and to study their origin and nature, the values and dangers of each form; the formulation of some principles which will help the individual secure the values and to avoid the dangers; the relations of these forms to the organized institutions of society. Some text will be required, and also considerable reading outside the text. Prerequisite, after 1920, Psychology 15.

First semester, 3 hours.

Mrs. Wylie.

17. *Educational Psychology*.—This course attempts to formulate the general principles which modern Psychology suggests as being in use in guiding educational procedure. Such material as is studied in Courses 15 and 16 is here considered in its pedagogical bearings. Prerequisite, after 1920, Psychology 15.

Second semester, 3 hours.

Mrs. Wylie.

DEPARTMENT OF PUBLIC SPEAKING

15. *Principles of Speaking*.—A study of the fundamental principles of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom—co-ordination of mind, voice and body. First semester, 2 hours, required of all Sophomores.

Mrs. McConagha.

16. *Literary Interpretation*.—The application of the fundamental principles to the interpretation of selections from literature. Second semester, 2 hours a week required. *Mrs. McConagha.*

17. *Extempore Speaking*.—The speech for special occasions. Topic assigned and substance of speech prepared. First semester, 2 hours a week required. *Mrs. McConagha.*

18. *The Acting Drama*.—This course is the outgrowth of a demand in high schools for English teachers who can teach drama as drama and who can direct the plays which in the majority of schools are a yearly or bi-yearly event. The course consists of discussions of how to make plays of real educational value, the choice of plays, selecting the cast, rehearsals, stage managing, lighting, costume, make-up. Scenes and short plays will be used for illustration. First semester, 2 hours a week. *Mrs. McConagha.*

19. *Story Telling*.—That story telling is an art in itself has long been accepted. It is an art which is practiced by everyone and the ability to do it well is stock in trade. This course includes the anecdote or story told for purposes of illustration as well as the story told for its own sake. Consideration of why we tell stories, how to tell stories, and what stories to tell. Second semester, 2 hours a week. *Mrs. McConagha.*

20. *Debate*.—Training in the fundamentals of debating—the analysis of questions, the organization and actual presentation of arguments in regular debates. Training in the judging of debates. Two hours a week, second semester. *Mrs. McConagha.*

21. *Debate*.—Actual participation in intercollegiate debating contests. Membership in this course determined by competition. Prerequisite, Course 20. Two hours a week. *Mrs. McConagha.*

22. *Oration*.—The writing and delivering of orations. Training in the criticism and judging of orations. One hour a week, second semester. *Mrs. McConagha.*

23. *Oration*.—Actual participation in intercollegiate oratorical contests. Membership in this course determined by competition. Prerequisite, Course 22. One hour a week, second semester. *Mrs. McConagha.*

DEPARTMENT OF ROMANCE LANGUAGES

The purpose of the courses in French is to enable the student to pronounce French correctly, read comprehensively, translate accurately and to acquaint him with some of the best writers and their literature. Exercises in prose composition and conversation are employed frequently and after the first-year students have acquired a sufficiently large vocabulary, the classes are conducted in the French language.

The aim of the course in Spanish is to give the student a practical knowledge of the language, which will enable him

to read, understand and use Spanish of ordinary difficulty. Some practice is given in commercial correspondence.

15. *Elementary French*.—Fraser and Squair's French Grammar. Instruction and drill in pronunciation, grammatical forms and general rules of syntax. Thorough study of irregular verbs. Reading of about one hundred and fifty pages of easy French in such books as *En France*, or *Ca et La en France*. Read *La Tache du Petit Pierre*. Throughout the year, 3 hours. *Miss Stewart.*

16. *Intermediate French*.—Reading: Dumas—*Monte Cristo*; *Les Trois Mousquetaires*. Daudet—*Tartarin de Tarascon*. Theuriot—*Bigarreau*. Throughout the year, 3 hours. *Miss Stewart.*

17. *Intermediate French Composition*.—Grammar review, composition, conversation. Francois French Prose Composition. Open to students who have had French 15, or who have offered two units of French for entrance. First semester, 2 hours. *Miss Stewart.*

18. *Modern French Literature*.—Rene Bazin—*Les Oberle*. Anatole France—*Le Livre de Mon Ami*; *Le Crime de Sylvestre Bonnard*. Pierre Loti—*Percheur d'Islande*. Prerequisite, French 16. First semester, 2 hours. (Not offered in 1922-23.) *Miss Stewart.*

19. *Classical French Drama*.—A study of the life and works of Corneille—(given in 1922-23). Lectures in French. Reading: *Le Cid*, *Cinna*, *Polyeucte*, *Horace* and *Britannicus*. Prerequisite, French 18. Second semester, 3 hours. *Miss Stewart.*

20. *Classical French Drama*.—A study of the life and works of Racine—(given in 1922-23). Lectures in French. Reading: *Athalie*, *Esther*, *Andromaque*, *Phedre*. Prerequisite, French 18. Second semester, 3 hours. *Miss Stewart.*

21. *Classical French Drama*.—A study of the life and works of Moliere—given in 1922-23. Lectures in French. Reading: *Les Precieuses Ridicules*, *Le Bourgeois Gentilhomme*, *L'Avare*, *Le Misanthrope*. Prerequisite, French 18. Second semester, 3 hours. *Miss Stewart.*

22. *Advanced French Composition*.—Grammar review, composition, conversation. Koren-French Composition. Prerequisite, French 17. Second semester, 2 hours. *Miss Stewart.*

23. *Nineteenth Century Literature*.—A study of the novel, drama and poetry of the 19th Century. Three hours a week throughout the year. *Miss Stewart.*

24. *Teaching of Romance Language*.—See Education 23.

Miss Stewart.

30. *Elementary Spanish*.—Espinosa and Allen's Spanish Grammar. Drill in pronunciation, grammatical principles, verbs, conversation and translation. Read Turrell's Spanish Reader. Throughout the year, 3 hours. *Miss Wilson.*

31. *Intermediate Spanish*.—Open to students who have completed Course 30. Prose composition: Umphrey. Reading: Galdos—*Marianela*; Valera—*Pepita Jimenez*; Ayala—*Consuelo*; Cervantes—*Don Quijote*; Calderon—*La Vida es Sueno*. Throughout the year, 3 hours. *Miss Wilson.*

EXTENSION SCHOOL

FACULTY

ARCHIBALD A. JOHNSTON

President of the College

HARRY H. WYLIE

Head of Department of Education and Director of Extension School

M. GYLA MACDOWELL

Head of Department of English

ROBERT C. COLWELL

Head of Department of Physics

MRS. MARY C. McCONAGHA

Head of Department of Public Speaking

MRS. HARRY H. WYLIE

Head of Department of Psychology

ISABELLA STEWART

Head of Department of French

JOHN COLEMAN

Head of Department of Bible

EARL A. MOORE

Department of English

JAMES K. POLLOCK, JR.

Head of Department of History

PHILIP L. COON

Head of Department of Chemistry

ASSISTANTS

J. BRAD CRAIG

Teacher Training School, Pittsburgh, Pa.

Assistant in History

GRACE CORNELIUS

Department of English, Rochester High School, Rochester, Pa.

Assistant in English

MADGE SPROULL

Department of French, New Castle High School, New Castle, Pa.
Assistant in French

WILMER MARTIN

Attorney-at-Law, Beaver Falls, Pa.
Assistant in Economics

ROY W. WILEY

Principal of Midland High School, Midland, Pa.
Assistant in Mathematics

ANNA CONRAD

Formerly Department of English, Beaver High School, Beaver, Pa.
Assistant in English

Organization. The Extension School at Geneva College was organized in the fall of 1916 and is a part of the regular college organization. The same courses are offered as in the regular school and the same credit is given when these courses are satisfactorily completed. The teachers are for the most part the same as in the same courses in the regular school. Outside teachers are used when the work can not well be taken care of by the members of the regular faculty. These outside teachers are part time instructors and are experienced and successful in the lines in which they are called upon to give assistance. The work is carefully supervised by the Director of the Extension School, especially where outside instructors are used. The courses that are conducted during any semester are determined by the demand at the beginning of the semester.

Entrance Requirements. The entrance requirements are the same as for the regular school. If the person entering wishes to become a candidate for a degree fifteen units are required. If the person entering wishes to do special work not looking toward a degree, only such work as is necessary to prepare him for the particular subject or subjects he desires to enter is required. He is then enrolled as a special student.

Tuition Charges. The tuition charges for work in the Extension School will be for the year 1922-1923 at the rate of \$5.00 per semester hour credit if the class is conducted at the college; at the rate of \$6.00 per semester hour credit if the class is conducted away from the college. Tuition is payable in advance and no refund will be allowed for withdrawal after enrollment has been made.

General Remarks. The Extension School at Geneva started with very humble beginnings, the enrollment being less than a score of students. The demand came very largely from teachers of the vicinity who wanted an opportunity during the summers and also during the regular school year to take up advanced work. The classes during the regular year conducted on Saturdays or in the evenings at the place and time most convenient to the majority of those who desire the courses. By taking work in this way both in summer and winter it becomes possible to secure a college education without losing time from regular employment. Thus a fine opportunity is furnished to those who could not otherwise secure a college education. The number enrolled has grown in six years from less than a score to more than two hundred. The college authorities have been much encouraged in this attempt to serve the community both by the increasing enrollment in this work and by the excellent type of work done by those enrolled. Such work, as a rule, is taken up only by those who are seriously wanting the college training thus afforded and a very high standard is maintained, averaging perhaps higher than in the regular school. The smaller classes allow much more personal attention.

Correspondence Work. A demand has recently arisen for correspondence courses. During the coming year an attempt has been made to meet that demand. Correspondence work is being carried on in the Bible courses. Other courses will be added as the demand arises. Those interested should address the Director of the Extension School.

THE SCHOOL OF MUSIC

The School of Music has been created by the college for the purpose of affording advantages in the study of music. The close relationship existing between literature and the arts makes the college a place where the two may be successfully studied, side by side. This is a decided advantage oftentimes. Those who complete the course in music for graduation are given a diploma by the college under the direction and control of the State of Pennsylvania. College work in French is of great assistance to those who desire to pursue advanced courses in music abroad.

FACULTY

ARCHIBALD A. JOHNSTON, A. M., B. D.

President of the College

FRANCES E. WADDLE, A. M.

Director

Philipp, Paris; Barth, Berlin

Piano, Theory, Harmony, and History

ELIZABETH D. JOHNSTON, B. S.

B. S., Geneva College

Piano

FRANK J. BROSKY

Violin and Ensemble

ERNEST LUNT

(Director of Pittsburgh Mendelssohn Chorus)

Voice

DOROTHY PEARCE

Violin

PIANO

This department is under the direction of Miss Frances E. Waddle, who has had the advantage of study under the best teachers in Europe and America, among whom are Mr. William Sherwood, of Chicago, and Mr. Carl Faelton, director of the New England Conservatory of Music, of Boston. She also studied several years under the distinguished teacher, Heinrich Barth, of Berlin. She spent one year in Paris with the noted musical pedagogue, Isador Philipp, of the Paris Conservatory. She holds testimonials from all these celebrated teachers. Miss Waddle's success as a pianist and instructor is well known, being especially noteworthy on account of the large number of pupils who have become successful teachers. Her wide culture, musicianship, and most unusual ability in imparting knowledge to others has won for her a place among the best instructors of the day.

The assistant in this department is Miss Elizabeth Johnston, a graduate of Geneva College (Scientific Course). She was a pupil of Miss Waddle. Miss Johnston has had twelve years' experience in teaching music and is well qualified. She has met with good success. Her work with children is especially fine. The Primary courses in Piano work are under her direction.

COURSES OF STUDY

The department offers systematic courses of instruction in Piano, Voice, Violin, Theory, Harmony and History of Music. The work is organized under two departments: First—Introductory course, or general musical instruction. Second—Diploma course.

1. *Introductory Course.*—This course is open to those who wish to study music, but do not desire to graduate. No previous knowledge is required to enter this course and the student may take one or more studies as he desires. This course affords excellent opportunity to test one's musical talents and possibly to lay the foundation for advanced work.

2. *Diploma Course*.—This course is open to all who are qualified to pursue advanced work. It furnishes the necessary training for entrance into professional life. Notice of intention to pursue this course should be given at the beginning of the year.

Graded Course of Study for the Piano.—While it is impossible to give in detail the exact work necessary for the individual needs of each student, a reasonable number will be selected from the list named or works equivalent to these.

First Grade: Hand culture, technical exercises which give control of muscles and fingers, hands and arms. Kohler, Diabelli, Gurlitt, etc.

Second Grade: Vogt, Loeschorn, Sonatinas by Kuhlau, Clementi, Czerny, etc.

Third Grade: Schmidt, Krause, Berens, Czerny, Haesert, Bach, Sonatas by Haydn, Mozart, etc.

Fourth Grade: Daily Exercise by Tausig, Moscheles, Bach's Well-Tempered Clavichord, Sonatas of medium difficulty by Mozart, Beethoven, etc.

Fifth Grade: Sonatas by Beethoven, Etudes op. 10 and op. 25, Chopin, Kessler, Litz, etc.

History of Music.—This requires one year and covers the entire range of History of Music. The student is expected to do considerable reading from other works. Text-book: Baltzell's.

Recitals.—Private and public recitals will be held frequently during the year. Those fitted to take part will be expected to do so unless excused by the Director. Before receiving a Diploma each candidate is required to give an individual recital.

Prizes: A Prize of Ten Dollars will be awarded to the student making the most advancement in Piano work during the year. This prize is given by Mrs. Matilda Richie Fisher (Class of '99), of New Castle.

Rules and Regulations.—Bills are payable the beginning of the term.

To be punctual at lessons is positively required.

No deduction made for loss of lessons except in case of protracted illness of more than two weeks.

Students are expected to attend all recitals and lectures, as it is for their benefit these are given.

Students are required to return after the end of vacation in time for the first lesson, as they will be charged from that date.

RATES

A term consists of ten weeks.

	Lessons per week	
	One	Two
Piano (Primary)	\$ 7.50	\$10.00
" (Intermediate)	10.00	15.00
" With Director (Private)	20.00	35.00
" " " Class (two in class) each.....	12.00	20.00
Harmony, in class	5.00	10.00
History of Music	5.00	10.00

VOICE

The work in Voice is under the charge of Mr. Ernest Lunt, of Pittsburgh. Mr. Lunt is Conductor of the Mendelssohn Choir of Pittsburgh, and Musical Director of Christ Methodist Episcopal Church, Pittsburgh. He was born in England and received his Vocal and Musical training under the best masters of Europe. He established a reputation in England and Wales as Teacher, Singer and Conductor. Came to America in 1904 and located in Pittsburgh, Pa. He is now recognized as one of the leading Choral Conductors of America (no less authority than Walter Damrosch pronounced him to be the greatest Choral Conductor he had met in his travels). His ability as a vocal teacher is no less pronounced, as is fully shown by the standard of singers enrolled as his pupils, upwards of fifty leading church singers and teachers of Pittsburgh and district being represented as artist pupils in Concert, Church and Oratoria. He will teach at Geneva College on Wednesday of each week, throughout the year.

COURSE OF STUDY

First Grade: Breathing and breath control, position, tone production, scales, attack, arpeggios, and vowels, with vocal exercise by Sieber.

Second Grade: Breath control and tone production continued. Vocal exercises by Sieber and Huschel, Part 1. Easy songs, sacred and secular, developing true legato and clear enunciation.

Third Grade: Vocal exercises by Huschel, Part 1 and 2. Tone modulation and color, flexibility, staccato, expression and phrasing. Songs, Cycles and Oratoria Solos.

Pupils will be advanced according to merit, irrespective of time.

RATES

All fees in this department are payable to the instructor in charge of the course. They are as follows per term of ten weeks: One lesson weekly, \$30.00.

Bills payable by the term in advance. No deduction will be made for loss of lessons, and punctuality for lessons is essential.

VIOLIN, VIOLA, 'CELLO

This department is in charge of Edward F. Kurtz, formerly of the Pittsburgh Orchestra, and favorably known as the conductor of the New Castle Orchestra and as an instructor of rare insight and power.

COURSE OF STUDY

Preparatory

Grade A: Position. Simple bowings, legato, staccato, forearm movement, wrist flexibility. Intonation, Finger exercises. Scales, first position, all keys. Selected studies; time rhythm. Hoffman, Wohlfahrt, etc. Easy selections.

Grade B: Wrist edevelopment. Special bowings; martelet, spiccato. Arpeggio studies. Diminished-seventh chord. Simple double-stopping. Chromatic scales. Intonation. Second, third, fourth, fifth, sixth and seventh positions. Selected studies in all positions. Wohlfahrt, Schoen, Kayser. Selections; sonatinas, students' concertos.

Grade C: Complex wrist exercises. Special bowing, saltato, staccato, Viotti, Kreutzer and Paganini strokes. Trills. Complex finger exercises. Scales two and three octaves. Arpeggios, all keys, from memory. Scales in thirds, sixths, octaves and tenths. Positions reviewed, David school. Selected studies, Mazas, Dont Op. 20 and Op. 24. Selections, sonatas, concertos from memory.

Advanced

Grade 1: Complete technical review. Selected exercises, Devcik, David, Sauret. Scales in double-stops; thirds, sixths, octaves, tenths. Kreutzer Etudes. Fiorilli Etudes begun. Concertos by Viotti, Kreutzer, Rode, Sonatas, selected compositions.

Grade 2: Special technical studies; harmonics. Single, double; left hand pizzicato. Fiorillo Etudes completed. Rode Etudes begun. Concertos by Viotti, Rode, Spohr. Solo sonatas by Corelli. Sonatas by Mozart, Beethoven. Selected composition. Recitals.

Grade 3: Rode Etudes completed. Rovelli Etudes begun. Concertos by Spohr, Wieniawski, Mendelssohn. Sonatas by Beethoven, Grieg, Sinding, Brahms, Franck. Solo sonatas by Handel, Tartini.

Grade 4: Rovelli Etudes. Gavinie's Etudes. Concertos by Vieuxtemps, Mozart, Bach, Bruch. Repertoire.

Post-Graduate

Grade 5: Dont Gradus ad Parnassum. Selected studies 20 grades. Etudes by Sauret. Concertos by Brahms, Saint Saens, Raff. Repertoire.

Grade 6: Selected studies from the Paganini Etudes. Bach solo sonatas. Concertos by Tchaikowsky, Elgar. Repertoire; modern and contemporary composers.

For graduation the study of piano, harmony, counterpoint, musical history, musical appreciation, musical analysis is required.

For the post-graduate course instrumentation and conducting are required.

Term of ten weeks—one lesson per week, \$20.00; two lessons per week, \$40.00.

THE SCHOOL OF PUBLIC SPEAKING

FACULTY

ARCHIBALD A. JOHNSTON, A. M., B. D.
President of the College

M. CAROTHERS McCONAGHA, A. B., B. E.
Director

B. E., National School of Oratory; University of Chicago;
University of Michigan
Public Speaking

EARL A. MOORE, A. M.
Geneva College, Indiana University
English and Debate

REQUIREMENTS FOR GRADUATION

One hundred twenty-eight private lessons together with Courses 18 (Drama), 20 (Debate), English 24 and Psychology or Education.

A semester in this course consists of sixteen lessons, one hour in length. These lessons must be taken within the college semester.

TUITION

Two lessons per week.....	\$45.00
One lesson per week.....	\$25.00
Three lessons per week.....	\$69.00
Lessons less than sixteen in number, \$1.75 each.	

COURSES OF INSTRUCTION

1. Principles.

a. A study of the fundamentals of speech and action. Particular attention to breathing, tone placing, enunciation and bodily freedom —The co-ordination of mind, voice and body. The application of the fundamental principles to the interpretation of selections from literature, particularly such selections as call for measured speech.

b. Problems in Pantomime. Giving impressions * * * "correlative expression" without the use of voice. Simple physical actions without the aid of properties. Problems involving more complicated emotions.

2. *Extempore Speaking*.—Text: "Extempore Speaking," Shurter. The speech for special occasions. Topic assigned and the substance of the speech prepared.

3. *Dramatic Expression*.

a. Scene work—Original cuttings (ten-fifteen minute length). One serious and one humorous cutting from Shakespeare. One cutting from any modern European dramatist and one from any American dramatist, (after approval of instructor). Student must have read entire play from which scenes are taken.

b. Directing of Amateur Plays. How to make plays worth the time given them. Choice of play. Selecting the cast. Rehearsals. Stage managing, lighting, costume, makeup.

4. *Story Telling*.—Why we tell stories. How to tell stories. What stories to tell. Some books used: "Stories and Story Telling in Moral and Religious Education," St. John; "The Art of the Story Teller," Shedlock; "How to Tell Stories to Children," Bryant.

5. *Literary Interpretation*.

a. Shakespeare—two comedies, two tragedies, two historical plays from which cuttings are made for Course 3a.

b. Tennyson—two long poems (read from text), four lyrics (memorized).

c. Kipling—two short stories (cut and memorized), four poems (memorized).

d. Browning—Text: "Browning and the Dramatic Monologue," Curry. Two of the longer dramatic monologues, e. g. "My Last Duchess." Four shorter poems, e. g., "The Patriot," "Incident of the French Camp."

e. The Bible—Text: "Vocal and Literary Interpretation of the Bible," Curry.

6. *Excerpt Making*.—Arranging in suitable length and form for public delivery standard stories (other than those included in 5c (Kipling) stories from current magazines, chapters from novels, scenes from dramas (other than a Drama Expression). Arranging full evening recital (about one and one-half hours) a drama or novel.

7. *Recitals*.—Students are given practical experience through reading for various organizations which apply to the department for assistance in programs. Each student is required to give two full evening recitals. He may use his own discretion as to the nature of these recitals.

8. *Teaching Problems*.—These are not treated in a separate course but are taken up in connection with the various courses. Effort is made to have the student recognize by eye and ear the fault to be corrected and to recognize the more nearly perfect product; to understand the process by which results are obtained, and to observe that the same process will not bring results with all persons. Students examine different text books and discuss their relative merits.

SUMMER SCHOOL

COLLEGE AND NORMAL (1921)

FACULTY

ARCHIBALD A. JOHNSTON

A.M., Princeton University; B. D., Princeton Seminary
Acting President and Principal of Summer School

ROBERT C. COLWELL

A. M., University of Chicago; Ph. D., Princeton University

M. GYLA MacDOWELL

A. M., Columbia University

HARRY H. WYLIE

A. M., Harvard University; Ph. D., University of Chicago

JOHN COLEMAN

A. M., University of Wisconsin

CHARLES M. LEE

A. M., University of Cincinnati

ALBERT H. WILSON

A. M., University of Chicago

MRS. M. CAROTHERS MacCONAGHA

A. B., Geneva College; B. E., National School of Oratory;
Universities of Chicago and Michigan

ISABELLA STEWART

A. M., University of Cincinnati; Columbia University;
Stern's School of Modern Languages

MRS. H. H. WYLIE

A. B., Geneva College; University of Chicago

J. BRAD CRAIG

A. B., University of Chicago

O. H. LOCKE

A. B., Grove City College

ROY W. WYLIE
B. S., Grove City College

J. ROY JACKSON
Ph. B., Dickinson College

FLOYD M. ATWELL
A. M., Grove City College

S. W. LYONS
Ph. B., Grove City College

CHARLES F. BECKER
A. M., Columbia University

KATHARINE MacGARR
A. M., University of Wisconsin

EDNA M. GEORGE
Chautauqua School of Physical Education

MUSIC AND ART (1921)

FACULTY

FRANCES E. WADDLE
A. M., Philipp, France; Barth, Berlin

ELIZABETH D. JOHNSTON
B. S., Geneva College

EDWARD F. KURTZ
Formerly of the Pittsburgh Orchestra

MRS. ANNABEL HENDRICKS

MISS M. G. KERR
Palmer School of Writing

A full line of College and Normal subjects are offered each year in Summer School. The Summer School is on the approved list of the State Department of Public Instruction of Pennsylvania. All college work, satisfactorily completed, will count toward a degree provided the candidate has the proper entrance credits. All Normal work, satisfactorily

completed, will count toward State certification to teach in Pennsylvania. The Summer School work taken in connection with the work in the Extension School during the regular school year gives an opportunity to teachers to carry forward their work leading to a degree in regular and continuous fashion. It also affords college students a chance to continue their college work in the summer and hasten the day of their graduation. The particular courses offered each year are determined by the demand. If interested, write to the Director of the Summer School for further information.

DEGREES AND HONORS CONFERRED

COMMENCEMENT, THURSDAY, JUNE 9th, 1921

Valedictory.....	Lois Kerr
Salutatory.....	Jean Barnes
Honorable Mention.....	Mary Kennedy

Honorary Degrees

Doctor of Divinity.....	J. C. B. Mackie
Doctor of Divinity.....	W. J. McKnight

Bachelor of Arts

Frances Margaret Aikin	Mae E. Keys
Loyal Porter Atwell	Eunice Kohr
Jean Elizabeth Barnes	James E. Lutz
Lemma Cecile Bell	Helen Isabel Lyons
Catherine Edith Bert	Theodore Clyde McCarroll
Beulah Betz	Jean McGoun
Thomas Earl Boliver	John McGoun
Edith Copeland Brown	Robert Hugh McIsaac
Mary Agnes Cabeen	Hathaway Martin
Hannah Martha Carson	Helen Field May
Willard Glenn Conner	Eda Mildred Milligan
Foy Adams Curry	James L. Mitchell
Vera Fay Davis	Bernice Partington
Earl Davis	W. J. Lawrence Patterson
Grace Annetta Dodds	Esther Gladys Porter
Robert W. George	Mary Margaret Robb
Herbert C. Gilchrist	Remo Irwin Robb
Agnes Luella Girvan	Joseph Anthony Rowe*
Jane E. Golden	David Barton Russell
Lillian Olive Hensleigh	Daniel Lytle Stormont
Arthur J. Jackson	Caroline Hanna Thel
Helen Johnston	Carl Albert Skoog
Caroline Mary Kennedy	Howard Clark Temple
Lois Belle Kerr	

Bachelor of Oratory

Dorothy Frederick*	Caroline H. Thel
Margaret Robb	Paul White

Bachelor of Music

Ruth Andrews	Caroline Mary Kennedy	Bessie Boyer
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Certificate in Music

Ethel Bagshaw	Andrew Calhoon
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COMMENCEMENT SPEAKER

EDGAR FAH SMITH, Ph. D.

*Deceased, March 30, 1921.

REGISTER OF STUDENTS, 1921-1922

SCHOOL OF LIBERAL ARTS

SENIORS

Aiken, Lois.....	716 N. Main St., Bellefontain, Ohio
Alexander, Ralph.....	25 South St., Walton, N. Y.
Anderson, Charles.....	426 Houston St., Montgomery, Ala.
Axtell, Ralph.....	R. F. D. 8, Mercer, Pa.
Bauer, Stella.....	R. F. D. 3, Chicora, Pa.
Beattie, Margaret.....	New Alexandria, Pa.
Carson, Floyd.....	Oakdale, Ill.
Clyde, Sara.....	3113 6th Ave., Beaver Falls, Pa.
Conrad, Anna.....	Grant and Ohio, Vanport, Pa.
Cummings, Everett.....	Morning Sun, Iowa
Cunningham, Elizabeth.....	705 7th Ave., New Brighton, Pa.
Daubenspeck, Paul.....	Bruin, Pa.
Dill, Ernest.....	Eskridge, Kans.
Edgar, Myra.....	Morning Sun, Iowa
Forsythe, Charlotte.....	Rushsylvania, Ohio
Galbraith, Renwick.....	206 Leasure Ave., New Castle, Pa.
Gatti, Carrie.....	New Galille, Pa.
Gillespie, Ruth.....	Marissa, Ill.
Hamer, Mabel.....	1103 10th St., New Brighton, Pa.
Harr, Leslie.....	2902 5th Ave., Beaver Falls, Pa.
Kennedy, Conn.....	3115 College Ave., Beaver Falls, Pa.
Kononen, Antti.....	514 John St., New Castle, Pa.
Lathom, Russel.....	Princeton, Ind.
Lee, Elizabeth.....	222 W. Grant St., Clarinda, Iowa
Lee, Margaret.....	222 W. Grant St., Clarinda, Iowa
Loeffler, Fred.....	3711 2nd Ave., Beaver Falls, Pa.
Lowans, Eileen.....	Clarksville, New York
Lowans, Lillian.....	Clarksville, New York
McBurney, John.....	Box 353, Cannonsburg, Pa.
McCracken, Paul.....	R. F. D. 2, W. Sunbury, Pa.
McCreary, Richard.....	R. F. D. 3, Volant, Pa.
McEwan, Edna.....	16 Castle Shannon Rd., Pittsburgh, Pa.
Noggle, Seeley.....	R. F. D. 1, New Galilee, Pa.
Patterson, Lois.....	R. F. D. 9, New Castle, Pa.
Patterson, Mabel.....	E. Buckeye St., Belle Center, Ohio
Pearce, Alice.....	3115 5th Ave., Beaver Falls, Pa.
Pearce, Dorothy.....	3115 5th Ave., Beaver Falls, Pa.
Rodgers, Ruth.....	R. F. D. 20, Jackson Center, Pa.
Tippen, Waldo.....	Willovale, Kan.
Ward, Eleanor.....	130 E. Ridge Ave., Crafton, Pa.
Washabaugh, Margaret.....	200 S. Central Ave., Cannonsburg, Pa.
Wells, Sarah.....	1617 Penn Ave., New Brighton, Pa.
Wilson, Della.....	3320 5th Ave., Beaver Falls, Pa.
Wilson, Hester.....	325 E. Soula St., Olathe, Kans.

JUNIORS

Aiken, Rosamond.....	716 N. Main St., Bellefontaine, Ohio
Baker, James.....	R. F. D. 3, Beaver Falls, Pa.
Barnes, Eleanor.....	R. F. D. 9, New Castle, Pa.
Calhoon, Harriett.....	611 7th Ave., New Brighton, Pa.
Carson, Marietta.....	Esckridge, Kans.
Clark, Ellen.....	231 Washington Ave., Charleroi, Pa.
Clyde, Grace.....	3113 6th Ave., Beaver Falls, Pa.
Duncan, Clarence.....	R. F. D., New Galilee, Pa.
Cummings, Margaret.....	Morning Sun, Iowa
Edgar, Alvin.....	Morning Sun, Iowa
Ewing, Sarah.....	233 W. Madison St., Rochester, Pa.
Foster, Hazel.....	305 W. 29th St., New York City
Galton, Jessie.....	Steffin Hill, Beaver Falls, Pa.
Giltner, Clifford.....	3215 College Ave., Beaver Falls, Pa.
Grant, Arthur.....	Evans, Colo.
Hawk, Raymond.....	835 4th Ave., Beaver Falls, Pa.
Hays, J. Milford.....	Mediapolis, Iowa
Hays, Mary.....	3121 4th Ave., Beaver Falls, Pa.
Hoon, Helen.....	1000 Fruit Ave., Farrell, Pa.
Laird, Everett.....	R. F. D. 1, New Sheffield, Pa.
Marquis, Laura.....	444 Market St., Beaver, Pa.
Merrilees, Ellen.....	R. F. D. 8, Bellefontaine, Ohio
Miller, Flora.....	3617 4th Ave., Beaver Falls, Pa.
McElwain, Margarita.....	Rose Point, Pa.
McIsaac, Archibald.....	Rochester Mills, Pa.
McKelvey, Hays.....	Hetherton, Mich.
Patterson, Howard.....	Belle Center, Ohio
Pollins, John.....	319 S. Penna. Ave., Greensburg, Pa.
Ramsey, Willis.....	1215 8th Ave., New Brighton, Pa.
Snodgrass, Catherine.....	1421 7th Ave., Beaver Falls, Pa.
Sohn, Morgan.....	Box 1373, Woodlawn, Pa.
Stormont, Lytle.....	Princeton, Ind.
Thomas, George.....	518 29th St., Beaver Falls, Pa.
Thompson, William M.....	240 S. Erie St., Mercer, Pa.
Whiteside, Elizabeth.....	1325 5th Ave., Beaver Falls, Pa.
Willson, Erma.....	Morning Sun, Iowa
Willson, Leslie.....	Morning Sun, Iowa
Wilson, Arthur.....	R. F. D. 1, Ellwood City, Pa.
Wylie, Thomas.....	Haysville, Pa.
Zahniser, Helen.....	508 E. Butler St., Mercer, Pa.

SOPHOMORES

Adams, Helen.....	Tionesta, Pa.
Alexander, Geneva.....	Box 138, Greeley, Colo.
Axtell, Clarence.....	R. F. D. 8, Mercer, Pa.
Bell, Mary Ellen.....	12 5th St., Ellwood City, Pa.
Bennett, Ralph.....	508 Penn Ave., New Brighton, Pa.
Brown, Margaret.....	R. F. D. 1, Petrolia, Pa.
Bruce, Ralph.....	115 4th Ave., Beaver Falls, Pa.
Caldwell, Cloyd.....	1227 Penn Ave., New Brighton, Pa.
Calhoon, Andrew.....	522 3rd Ave., New Brighton, Pa.
Calhoon, Harold.....	3316 8th Ave., Beaver Falls, Pa.

Craig, Omar.....	533 12th Ave., New Brighton, Pa.
Davis, Mildred.....	204 N. Race St., Princeton, Ind.
Denise, Dorothy.....	230 Irwin Ave., Bellevue, Pa.
Dodds, James.....	R. F. D. 1, Walton, N. Y.
Dodds, McLeod.....	819 Gertrude St., Beaver Falls, Pa.
Doig, Duncan.....	Walton, N. Y.
Douglass, Miriam.....	130 E. Main St., East Palestine, Ohio
Edgar, Helen.....	Morning Sun, Iowa
Frick, Merle.....	908 11th St., New Brighton, Pa.
Frick, Darrell.....	908 11th St., New Brighton, Pa.
Fullerton, Elizabeth.....	130/ 9th Ave., Beaver Falls, Pa.
Fulton, Byron.....	1833 7th Ave., Beaver Falls, Pa.
Funk, Helen.....	R. F. D. 4, Bellefontaine, Ohio
Ganlin, Harry.....	81/ 6th Ave., Beaver Falls, Pa.
Gray, Elizabeth.....	1416 Albert St., Selma, Ala.
Hamilton, Pearl.....	R. F. D. 1, Karns City, Pa.
Heckert, Benjamin H.....	Morganza, Pa.
Hemphill, Mary.....	915 10th St., Beaver Falls, Pa.
Hilderbrand, George.....	130 Irwin Ave., Ben Avon, Pa.
Hoskins, David J.....	8 E. Fulton St., New Castle, Pa.
Huheey, Edward.....	Batavia, Ohio
Huheey, Sarah.....	Batavia, Ohio
Hutchison, Mary.....	1617 3rd St., Beaver, Pa.
Jernburg, Elizabeth.....	1522 Atlantic Ave., Monaca, Pa.
Kirk, Jennie.....	R. F. D. 2, McDonald, Pa.
Kramer, Grace.....	1020 8th Ave., New Brighton, Pa.
Lawrence, Chester.....	2829 4th Ave., Beaver Falls, Pa.
Levis, May.....	2413 7th Ave., Beaver Falls, Pa.
Luney, Kenneth.....	Oakdale, Ill.
Lynch, Joseph.....	Endeavor, Pa.
Marshall, Katherine.....	429 Delaware Ave., Rochester, Pa.
Mechlin, Ruth.....	Smith's Ferry, Pa.
McGrew, Elmer.....	R. F. D. 4, Beaver Falls, Pa.
McMaster, Donald.....	Box 19, McDonald, Pa.
Nick, William.....	1007 Washington Ave., Monaca, Pa.
Orr, Harry.....	515 E. Washington Ave., New Castle, Pa.
Pangburn, Stanley.....	1400 4th Ave., Beaver Falls, Pa.
Patterson, Hargrave.....	Bellefontaine, Ohio
Redpath, Lillie.....	R. F. D. 7, Olathe, Kans.
Rice, Charles.....	623 Nevin Ave., Sewickley, Pa.
Rosenburg, Myer.....	414 7th Ave., Beaver Falls, Pa.
Russell, Helen.....	Delhi, N. Y.
Ryan, Helen.....	1003 10th St., Monessen, Pa.
Smith, Ralph.....	3209 College Ave., Beaver Falls, Pa.
Snodgrass, DeWitt.....	1421 7th Ave., Beaver Falls, Pa.
Snyder, Ester.....	R. F. D. 9, New Castle, Pa.
Templeton, Isabelle.....	Belle Center, Ohio
Thel, Henry.....	219 Main, Aliquippa, Pa.
Thompson, Corenne.....	R. F. D. 1, Karns City, Pa.
Tilp, Julia.....	1011 4th Ave., Beaver Falls, Pa.
Ward, Robert.....	130 E. Ridge St., Crafton, Pa.
Wilkerson, Margaret.....	3221 6th Ave., Beaver Falls, Pa.
Wilson, Donald.....	3513 5th Ave., Beaver Falls, Pa.
Wilson, Solon.....	R. F. D. 3, Sparta, Ill.

FRESHMEN

Acheson, Lael.....	117 McIntyre Ave., N. S., Pittsburgh, Pa.
Adams, Ralph.....	300 Spring Ave., Ellwood City, Pa.
Albright, Arthur.....	180 W. Madison St., Rochester, Pa.
Alexander, Hilton.....	25 South St., Walton, N. Y.
Alexander, Vivian.....	Box 138, Greeley, Colo.
Anderson, Thomas.....	922 5th Ave., New Brighton, Pa.
Andre, Frank.....	1505 2nd St., New Brighton, Pa.
Ashman, James.....	91 S. Market St., East Palestine, Ohio
Balph, James.....	3428 6th Ave., Beaver Falls, Pa.
Barnett, Marian.....	799 Indiana Ave., Monaca, Pa.
Bates, David.....	355 E. End Ave., Beaver, Pa.
Beerbower, Evangeline.....	573 Merchant St., Ambridge, Pa.
Biggerstaff, Chester.....	Box 54, Wireton, Pa.
Blackwood, Veo.....	1424 7th Ave., Beaver Falls, Pa.
Blackburn, Raymond.....	157 Adams St., Rochester, Pa.
Boren, Charles.....	837 Grove Ave., New Brighton, Pa.
Boulding, Harry.....	1913 Center Ave., Beaver Falls, Pa.
Boyes, Carl.....	Taylor Ave., Warren, Ohio
Bradshaw, Jane.....	296 Jefferson St., Rochester, Pa.
Brown, David.....	413 S. Union, Wilmington, Del.
Brumbaugh, Russell.....	225 W. Oregon Ave., Sebring, Ohio
Caldwell, George.....	110 King St., Woodlawn, Pa.
Cameron, Mary.....	291 Clay St., Rochester, Pa.
Carl, Beatrice.....	111 Jones St., Woodlawn, Pa.
Carson, Ben.....	Eskridge, Kans.
Carver, Jess.....	360 College Ave., Beaver, Pa.
Cole, Charles.....	670 Bank St., Beaver, Pa.
Cook, Milton H.....	506 Pearson St., New Castle, Pa.
Corley, Paul.....	337 Elm Road, Ambridge, Pa.
Cross, James.....	Box 212, Beaver Falls, Pa.
Curry, Mary.....	Dunavant, Kans.
Darragh, Alexander.....	255 College Ave., Beaver, Pa.
Denton, James.....	Brighton Ave., Rochester, Pa.
Dougherty, Eugene.....	1929 6th Ave., Beaver Falls, Pa.
Dougherty, Frances.....	1929 6th Ave., Beaver Falls, Pa.
Ecoff, Helen.....	1059 Corporation St., Beaver, Pa.
Edgar, Lela.....	R. F. D. 2, Crawfordsville, Iowa
Fleming, Thomas.....	160 Monroe, Rochester, Pa.
Frazer, John.....	3001 4th Ave., Beaver Falls, Pa.
Garrett, William.....	712 23rd St., Beaver Falls, Pa.
Giffen, Martha.....	R. F. D. 2, Gibsonia, Pa.
Ferguson, Jean.....	3708 3rd Ave., Beaver Falls, Pa.
Grande, Richard.....	509 Franklin Ave., Ellwood City, Pa.
Gredel, Albert.....	220 5th Ave., Freedom, Pa.
Griffith, Leonard.....	446 Riverview Ave., Rochester, Pa.
Hart, Annabelle.....	York, N. Y.
Hawkins, Harry.....	811 8th Ave., Beaver Falls, Pa.
Hays, Lorenzo.....	Mediapolis, Iowa
Henderson, Paul.....	440 Highland Ave., Woodlawn, Pa.
Hetzler, Paul.....	1022 4th Ave., Beaver Falls, Pa.
Hill, Earle.....	R. F. D. 1, Freeport, Pa.
Hunter, Roy.....	Pickneyville, Ill.
Infield, Harold.....	510 Franklin Ave., Ellwood City, Pa.

Jameson, DeVere.....	2028 7th Ave., Beaver Falls, Pa.
Johnston, Chester.....	New Sheffield, Pa.
Jamison, Howard.....	557 Penn Ave., Rochester, Pa.
Kennedy, Cathryne.....	3115 College Ave., Beaver Falls, Pa.
Jones, David G.....	111 Shaw St., Woodlawn, Pa.
Kettering, William.....	R. F. D. 2, Cabot, Pa.
Kilpatrick, Margaret.....	Box 61, Valencia, Pa.
King, James R.....	548 10th Ave., New Brighton, Pa.
Klee, William.....	226 Wick St., New Castle, Pa.
Kocher, Carl J.....	518 12th Ave., New Brighton, Pa.
Kochler, Paul.....	826 Washington Ave., Monaca, Pa.
Lawson, James.....	Wireton, Pa.
Littell, Clair.....	3234 4th Ave., Beaver Falls, Pa.
Ludwig, Harry.....	558 Reno St., Rochester, Pa.
Madden, Wallace.....	R. F. D. 2, Enon Valley, Pa.
Magee, John.....	3418 7th Ave., Beaver Falls, Pa.
Marshall, Lucille.....	Newman Place, R. F. D. 1, Bridgeport, Conn.
Mathews, Neal.....	R. F. D. 2, Marissa, Ill.
Merriman, Lee.....	3209 5th Ave., Beaver Falls, Pa.
Miksch, Carlton.....	1115 10th Ave., Monaca, Pa.
Miller, Kathryn.....	240 Beaver St., Beaver, Pa.
Miller, May.....	800 6th Ave., Beaver Falls, Pa.
Morton, Lottie J.....	1216 Lawrence St., Selma, Ala.
Mundo, Joseph.....	Box 332 Wampum, Pa.
McBurney, Elizabeth.....	Box 353, Cannonsburg, Pa.
McCall, Keith.....	Eau Claire, Pa.
McClay, Edgar.....	Oakdale, Ill.
McCutcheon, Hazel.....	848 Hiland Ave., Coraopolis, Pa.
McDonald, Philip.....	Beaver Falls, Pa.
McLean, Margaret.....	704 N. Main St., Bellefontaine, Ohio
McPherson, Hazel.....	615 6th Ave., Beaver Falls, Pa.
Nelson, David.....	169 College Ave., Beaver, Pa.
Patterson, Glenn.....	New Alexandria, Pa.
Patton, Anna.....	Morning Sun, Iowa
Pearce, Melville.....	215 Buxkingham Pl., Philadelphia, Pa.
Pierce, Janet.....	3319 5th Ave., Beaver Falls, Pa.
Pollins, Calvin.....	319 S. Penna. Ave., Greensburg, Pa.
Powell, Russell.....	179 Clay St., Rochester, Pa.
Read, Leonard.....	145 Insurance, Beaver, Pa.
Robson, Harry.....	N. 15th St., Sebring, Ohio
Rummel, Samuel.....	West Winfield, Pa.
Shrecongost, Mildred.....	Main St., Dayton, Pa.
Slater, Paul.....	415 31st St., Beaver Falls, Pa.
Smith, Cecil.....	269 Gilman St., Cincinnati, Ohio
Smith, George.....	407 Penn Ave., New Brighton, Pa.
Spieth, William.....	214 Langley Ave., N. S., Pittsburgh, Pa.
Stafford, Edward.....	719 10th St., New Brighton, Pa.
Seringen, Thomas.....	Woodlawn, Pa.
Templeton, Roy.....	R. F. D., Belle Center, Ohio
Thompson, William.....	Cannonsburg, Pa.
Trumbell, Robert.....	Haslett St., N. S., Pittsburgh, Pa.
Vaught, Lillian.....	139 Orchard St., Woodlawn, Pa.
Walker, Charles.....	448 Dickson Ave., Ben Avon, Pa.
Warrick, Esther.....	1401 Corporation St., Beaver, Pa.
Wasbutsky, Samuel.....	1409 8th Ave., Beaver Falls, Pa.

Washabaugh, Ruth.....	100 N. Central Ave., Cannonsburg, Pa.
White, Clarke.....	193 Clay St., Rochester, Pa.
Wilhelm, Clarence.....	2727 5th Ave., Beaver Falls, Pa.
Wilson, Bernice.....	R. F. D., Ellwood City, Pa.
Wilson, Margaret.....	3513 5th Ave., Beaver Falls, Pa.
Woodling, Fred.....	600 8th St., New Brighton, Pa.
Young, Everett.....	Ellwood City, Pa.

SPECIAL STUDENTS

Brown, Belle.....	4135 E. 100th St., Cleveland, Ohio
Fox, Kenneth.....	5th St., Ellwood City, Pa.
Golden, Jane.....	216 Locust St., Avalon, Pa.
Graham, Robert.....	3110 6th Ave., Beaver Falls, Pa.
Wells, William W.....	New Brighton, Pa.

EXTENSION DEPARTMENT

Adams, Frances.....	220 Glenn Ave., Ellwood City, Pa.
Ahrend, Helen.....	836 Penn Ave., Monaca, Pa.
Anderson, Evangeline.....	258 Dravo Ave., Beaver, Pa.
Barger, Leona.....	Zelienople, Pa.
Barnes, Marea.....	6156 Corporation St., Beaver, Pa.
Bauer, Edna.....	Chicora, Pa.
Barto, Nancy.....	482 Jefferson, Rochester, Pa.
Baumann, Minnie.....	1001 Washington St., Olean, N. Y.
Beichtold, Mrs. Clara.....	R. F. D. 1, New Brighton, Pa.
Beightol, Nellie.....	Cooperstown, Pa.
Boots, Jacob.....	Box 604, Ellwood City, Pa.
Bolser, Ella.....	Otter St., West Bridgewater, Pa.
Boyd, Grace.....	103 N. Ray St., New Castle, Pa.
Boyer, Oaple.....	Evans City, Pa.
Bright, Fred.....	607 Wayne Ave., Ellwood City, Pa.
Broadhead, Leone.....	9 Craig St., New Castle, Pa.
Brown, Edith.....	Petrolia, Pa.
Brunton, Ruth.....	1099 Turnpike St., Beaver, Pa.
Clarke, Annie.....	418 11th St., Beaver Falls, Pa.
Conrad, Anna.....	Vanport, Pa.
Cook, Mary E.....	434 Fifth St., Beaver, Pa.
Cooper, Mrs. Ola.....	134 Beaver St., Beaver, Pa.
Courtney, Mildred.....	Bridge St., West Bridgewater, Pa.
Cox, Julia.....	916 Maryland Ave., New Castle, Pa.
Crawford, Belle.....	551 9th Ave., New Brighton, Pa.
Cromlie, Robert.....	1417 4th Ave., Beaver Falls, Pa.
Dart, Iretta.....	750 E. Washington St., New Castle, Pa.
Davidson, Eben.....	224 Insurance St., Beaver, Pa.
Dean, Arthur R.....	718 Court St., New Castle, Pa.
Dean, Mae B.....	718 Court St., New Castle, Pa.
Dodds, Anna.....	407 S. Pine St., New Castle, Pa.
DeVenny, Bertha.....	500 3rd Ave., New Brighton, Pa.
Donaldson, Isabel.....	1308 8th Ave., Beaver Falls, Pa.
Dodds, Miriam.....	3237 5th Ave., Beaver Falls, Pa.
Duff, Edna.....	R. F. D. 8, Mahoningtown, Pa.
Dungan, Archie.....	Box 22, Aliquippa, Pa.
Dunham, Juliette.....	496 10th St., New Brighton, Pa.

Edgar, Robert.....	341 E. E. Ave., Beaver, Pa.
Elliott, Harriet.....	R. F. D. 2, New Castle, Pa.
Ellenwood, A. W.....	3673 4th Ave., Beaver Falls, Pa.
Erwin, Edna.....	429 Navigation St., Beaver, Pa.
Farrar, Mary.....	758 Bank St., Beaver, Pa.
Forney, Earl.....	Rea, Pa.
Fox, Kenneth.....	Crescent Ave., Ellwood City, Pa.
Franke, Eva.....	Tuscarawas Road, Beaver, Pa.
Frick, Darrell.....	908 11th St., New Brighton, Pa.
Frick, Merle.....	908 11th St., New Brighton, Pa.
Garvin, Edna.....	R. F. D. 1, Darlington, Pa.
Garvin, Florence.....	R. F. D. 1, Darlington, Pa.
Garvin, Laura.....	R. F. D. 1, Darlington, Pa.
Garvin, Mary E.....	Darlington, Pa.
Geer, Mary.....	4th Ave., New Brighton, Pa.
Geer, Mary J.....	1625 4th Ave., New Brighton, Pa.
Gibson, Jos. W.....	Clay St., Zelienople, Pa.
Gilmore, Blanche.....	West Bridgewater, Pa.
Grandey, Richard.....	509 Franklin Ave., Ellwood City, Pa.
Gray, Hazel.....	1427 8th Ave., Beaver Falls, Pa.
Grimshaw, Elizabeth.....	915 5th Ave., New Brighton, Pa.
Grimshaw, Mary A.....	915 5th Ave., New Brighton, Pa.
Grittie, Peter.....	R. F. D. 2, New Castle, Pa.
Groleau, Endore.....	1299 Indiana Ave., Monaca, Pa.
Gruber, Thelma.....	718 Court St., New Castle, Pa.
Hamilton, Beatrice.....	Patterson Heights, Beaver Falls, Pa.
Hawthorne, Mabel K.....	651 Penn Ave., New Brighton, Pa.
Hays, Jean.....	3125 4th Ave., Beaver Falls, Pa.
Hays, Evadna.....	3121 4th Ave., Beaver Falls, Pa.
Hazlett, Roy.....	1020 Washington Ave., Monaca, Pa.
Heckathorn, Ralph.....	R. F. D. 9, New Castle, Pa.
Heideger, Mrs. Bertha.....	West Bridgewater, Pa.
Henderson, William.....	522 Wayne Ave., Ellwood City, Pa.
Henderson, George C.....	Beaver, Pa.
Hilton, Florence.....	837 12th St., New Brighton, Pa.
Hinkson, Nettie.....	115 S. Ray, New Castle, Pa.
Hines, Mildred.....	321 Wayne Ave., Ellwood City, Pa.
Hockenberry, Amelia.....	721 Monroe St., New Castle, Pa.
Hockenberry, Mary.....	721 Monroe St., New Castle, Pa.
Houk, SCatherine.....	525 6th Ave., New Brighton, Pa.
Houston, Sarah.....	160 E. Third, Beaver, Pa.
Hunter, Martha.....	2401 7th Ave., Beaver Falls, Pa.
Infield, Harold.....	Ellwood City, Pa.
Ingelfield, Mary.....	Hanover Twp., Murdocksville, Pa.
Jackson, Ada.....	1401 5th Ave., Freedom, Pa.
Jamison, Olive.....	2028 7th Ave., Beaver Falls, Pa.
Jannuzi, Lida.....	810 3rd Ave., Beaver Falls, Pa.
Karje, Ruth.....	1110 Atlantic Ave., Monaca, Pa.
Kennedy, Helen.....	Patterson Heights, Beaver Falls, Pa.
Kent, Grace.....	1919 6th Ave., Beaver Falls, Pa.
Kerr, Lois B.....	915 12th St., Beaver Falls, Pa.
Kirk, Elizabeth.....	403 Moody Ave., New Castle, Pa.
Kronk, Virginia.....	430 Navigation St., Beaver, Pa.
Kuhn, Jean.....	R. F. D. 1, Karns City, Pa.
Lambert, William.....	205 Vine St., Coudersport, Pa.

Landon, Mrs. Beatrice.....	West Bridgewater, Pa
Laubach, Earl.....	1115 Washington Ave., Monaca, Pa
Lauron, William.....	402 5th St., Beaver, Pa
Lee, Charles M.....	2823 4th Ave., Beaver Falls, Pa
Leonard, Harvey.....	3309 5th Ave., Beaver Falls, Pa
Leslie, Roy.....	505 Moore Ave., New Castle, Pa
Lombardo, George.....	307 5th St., New Brighton, Pa
Long, Belle.....	646 6th St., Beaver, Pa
Louthan, Erna.....	R. F. D. 1, Darlington, Pa
Lytle, Agnes.....	1021 8th Ave., Beaver Falls, Pa
McComb, Arthur.....	365 North St., New Castle, Pa
McCcollough, Alma.....	Chicora, Pa
McConagha, Isabel.....	3014 College Ave., Beaver Falls, Pa
McCormick, Edwin.....	301 S. Walnut St., New Castle, Pa
McCreary, Mildred.....	1200 Atlantic Ave., Monaca, Pa
McCune, Fern.....	1543 Virginia Ave., Monaca, Pa
McGoun, Jean.....	1000 5th Ave., Beaver Falls, Pa
McKim, Jennie.....	3815 3rd Ave., Beaver Falls, Pa
McWilliams, Emma.....	Vanport, Pa
Mannix, Josephine.....	Beaver Falls, Pa
Martin, Anna.....	505 W. Main St., Grove City, Pa
Martin, May.....	604 Court St., New Castle, Pa
Manger, Frank.....	718 Court St., New Castle, Pa
Mechem, Mrs. Ella J.....	Miller Ave., New Castle, Pa
Mechling, Sophia.....	108 5th St., Ellwood City, Pa
Meecter, Ellsworth.....	Zelienople, Pa
Miller, Florence.....	Harborcreek, Pa
Morrow, Helen.....	Shippingport, Pa
Mortensen, Norman.....	Ellwood City, Pa
Nicely, Hazel.....	R. F. D. 3, Darlington, Pa
Niedergal, Mrs. Quennette.....	350 Wilson Ave., Beaver, Pa
Palmer, Edith.....	202 N. Jefferson St., New Castle, Pa
Partington, Bernice.....	3015 College Ave., Beaver Falls, Pa
Pearce, Mrs. R. M.....	3115 5th Ave., Beaver Falls, Pa
Perry, Anna.....	36 East St., New Castle, Pa
Petree, Thelma.....	201 S. Main St., Sharon, Pa
Phillip, Mrs. E. I.....	1503 Highland Ave., New Castle, Pa
Provance, Melva.....	Koppel, Pa
Reader, Mildred.....	410 Reno St., Rochester, Pa
Reutter, Pearle.....	R. F. D. 1, Rochester, Pa
Ralston, Lula.....	116 Hinds St., Rochester, Pa
Ramsey, Bertha.....	416 Delaware Ave., Rochester, Pa
Rayel, Elsie.....	519 14th St., Beaver Falls, Pa
Riley, Myrtle.....	R. F. D. 3, New Castle, Pa
Robinson, Ednah.....	809 11th St., New Brighton, Pa
Robertson, Raymond.....	Hookstown, Pa
Rodgers, Dora.....	810 Croton Ave., New Castle, Pa
Roney, Mary.....	1116 5th Ave., Beaver Falls, Pa
Runyan, Bessie.....	527 4th St., Ellwood City, Pa
Runyan, Willa.....	323 4th Ave., Ellwood City, Pa
Russell, George.....	810 5th St., New Brighton, Pa
Russell, Lillian E.....	709 Brooklyn St., New Castle, Pa
Russell, James.....	801 5th St., New Brighton, Pa
Schwenk, Eleanor.....	11th St. Ext., Beaver Falls, Pa
Seanor, Dorothy.....	900 9th St., Beaver Falls, Pa

Seanor, Elizabeth.....	900 9th St., Beaver Falls, Pa.
Self, Mrs. Sarah.....	3405 4th Ave., Beaver Falls, Pa.
Shaffer, Amy.....	554 10th Ave., New Brighton, Pa.
Shanor, Hettie.....	Washington St., Rochester, Pa.
Shelar, Sarah.....	512 Penn Ave., New Brighton, Pa.
Smith, Clifford.....	111 Walnut St., Woodlawn, Pa.
Smith, Garnet.....	Monaca, Pa.
Sprately, Ada.....	577 Jefferson St., Rochester, Pa.
Stafford, Ada.....	719 19th St., New Brighton, Pa.
Sutton, Lula.....	West Sunbury, Pa.
Taylor, Bella.....	310 Leasure Ave., New Castle, Pa.
Taylor, Mrs. Edith.....	720 22nd St., Beaver Falls, Pa.
Thacker, Brown K.....	New Castle, Pa.
Thomas, Alvin.....	526 10th St., Ellwood City, Pa.
Thomas, Mary.....	3600 6th Ave., Beaver Falls, Pa.
Thomas, Nettie.....	1100 10th St., New Brighton, Pa.
Thornburg, Lena.....	Clinton, Pa.
Tomasson, Margaret.....	R. F. D. 3, Beaver Falls, Pa.
Torgence, Belva.....	1100 Second St., Beaver, Pa.
Treverton, Dorothy.....	West Bridgewater, Pa.
Virtue, Jessie.....	Guys Mills, Pa.
Wagner, Ralph.....	3808 4th Ave., Beaver Falls, Pa.
Walker, Blanche.....	1517 Atlantic Ave., Monaca, Pa.
Walker, Mary.....	1905 6th Ave., Beaver Falls, Pa.
Wallis, Elizabeth.....	831 7th Ave., New Brighton, Pa.
Wallace, Mary A.....	3405 4th Ave., Beaver Falls, Pa.
Weigel, Helen.....	High St., Zelienople, Pa.
Weiss, Charles.....	1507 2nd Ave., Beaver Falls, Pa.
Whitehill, Eulalio.....	Hookstown, Pa.
Wilson, Lucie.....	3320 5th Ave., Beaver Falls, Pa.
Wilson, Margaret.....	415 32nd St., Beaver Falls, Pa.
Wilson, Malcolm.....	Ellwood City, Pa.

SUMMER COLLEGE DEPARTMENT 1921

Anderson, Charles.....	Montgomery, Ala.
Anderson, Thos. G.....	922 5th St., New Brighton, Pa.
Beattie, Margaret.....	New Alexandria, Pa.
Boliver, Thomas.....	Zelienople, Pa.
Caldwell, Cloyd.....	New Brighton, Pa.
Carson, Floyd H.....	Oakdale, Ill.
Cochran, Ada.....	Ellwood City, Pa.
Cunningham, Elizabeth.....	New Brighton, Pa.
Davidson, Eben.....	Beaver, Pa.
Davis, Earl.....	1141 Corporation St., Beaver, Pa.
Daubenspeck, Paul.....	Bruin, Pa.
Dungan, Archie.....	Aliquippa, Pa.
Edgar, Robert.....	East End Ave., Beaver, Pa.
Fisher, Vida.....	Portersville, Pa.
Gullerton, Elizabeth.....	Beaver Falls, Pa.
Hamlin, Harry.....	817 Sixth Ave., Beaver Falls, Pa.
Hatti, Carrie.....	New Galilee, Pa.
Hibson, Gertrude.....	3018 4th Ave., Beaver Falls, Pa.
Hay, Hazel.....	Beaver Falls, Pa.
Harty, Cecelia.....	Midland, Pa.
Hays, Mary.....	3121 4th Ave., Beaver Falls, Pa.

Hazlett, James.....	Monaca, Pa.
Hines, Mildred.....	Ellwood City, Pa.
Jackson, Arthur.....	5 Main St., New Brighton, Pa.
Jackson, Ada.....	Freedom, Pa.
Kennedy, Conn.....	3115 College Ave., Beaver Falls, Pa.
Klingelhofer, Onita.....	Beaver, Pa.
Kramer, Grace.....	New Brighton, Pa.
Kuhn, Jean.....	R. F. D. 1, Karns City, Pa.
Lawson, Wm.....	Beaver, Pa.
Lowans, Eileen.....	Beaver Falls, Pa.
Lowans, Lillian.....	Beaver Falls, Pa.
Lutz, James.....	2414 7th Ave., Beaver Falls, Pa.
Mannix, Josephine.....	Beaver Falls, Pa.
Mechling, Sophia.....	Ellwood City, Pa.
Mortensen, Norman.....	Ellwood City, Pa.
Mowry, Pauline.....	707 Laughlin Ave., Woodlawn, Pa.
Moyer, Robert.....	Midland, Pa.
McEwen, Edna.....	16 Castle Shannon Road, Pittsburgh, Pa.
McGoun, Jean.....	1000 Fifth Ave., Beaver Falls, Pa.
McMaster, Donald.....	McDonald, Pa.
Patterson, Howard.....	Belle Center, Ohio
Reader, Mildred.....	Rochester, Pa.
Roney, Mary.....	1116 Fifth Ave., Beaver Falls, Pa.
Russell, George.....	801 5th St., New Brighton, Pa.
Self, Mrs. Sarah W.....	3405 4th Ave., Beaver Falls, Pa.
Sohn, Morgan.....	Woodlawn, Pa.
Thel, Caroline.....	Aliquippa, Pa.
Thel, Henry.....	Aliquippa, Pa.
Wells, Sarah.....	1617 Penn Ave., New Brighton, Pa.
White, Paul D.....	Winchester, Kans.
Wilson, George W.....	Ellwood City, Pa.
Wilson, Berenice.....	Ellwood City, Pa.
Wilson, Malcolm G.....	Ellwood City, Pa.

PUPILS OF PIANO DEPARTMENT

Andrews, John.....	Beaver Falls, Pa.
Appel, Henrietta.....	Beaver Falls, Pa.
Boyer, Bessie.....	Beaver Falls, Pa.
Bruce, Susanne.....	Riverview, Beaver Falls, Pa.
Busse, Josephine.....	Beaver Falls, Pa.
Brown, Robert.....	New Brighton, Pa.
Blank Howard.....	Beaver Falls, Pa.
Boylin, Dorothy.....	College Hill, Pa.
Boylin, Mary.....	College Hill, Pa.
Brown, Selma.....	College Hill, Pa.
Brown, Cecil.....	College Hill, Pa.
Brigham, Ruth.....	College Hill, Pa.
Brandon, Bettie.....	College Hill, Pa.
Boyden, Valeria.....	Beaver Falls, Pa.
Bowers, Mildred.....	Beaver Falls, Pa.
Beal, Geraldine.....	Beaver Falls, Pa.
Bentley, David.....	College Hill, Pa.
Brown, Jean.....	Beaver Falls, Pa.
Busse, Clara.....	Patterson Heights, Pa.
Campbell, Richard.....	College Hill, Pa.

Campbell, Louise.....	Beaver Falls, Pa.
Carothers, Dorothy.....	Beaver Falls, Pa.
Dunlap, Robert.....	Beaver Falls, Pa.
David, Mildred.....	College Hill, Pa.
Donaldson, Gladys.....	New Brighton, Pa.
Dean, Charlotte.....	New Brighton, Pa.
Edwards, Alice.....	College Hill, Pa.
Eicholtz, Marie.....	Beaver Falls, Pa.
Fistall, Mary.....	Beaver Falls, Pa.
Frey, Helen.....	Ellwood City, Pa.
Fry, Gladys.....	New Brighton, Pa.
George, Alice.....	New Galilee, Pa.
Gervin, Agnes.....	Beaver Falls, Pa.
Hendrickson, Ida.....	College Hill, Pa.
Heding, Regina.....	Beaver Falls, Pa.
Hibben, Margaret.....	College Hill, Pa.
Holtzmann, Katherine.....	Beaver Falls, Pa.
Hegrer, Joseph.....	Beaver Falls, Pa.
Holtom, Madolin.....	Beaver Falls, Pa.
Householder, Valma.....	New Brighton, Pa.
Huston, Ina.....	Negley, Ohio
Harvey, Betty.....	Wampum, Pa.
Kelso, Rachel.....	Beaver Falls, Pa.
Kennineg, Katherine.....	Beaver Falls, Pa.
Keppen, Wanda.....	Beaver Falls, Pa.
Klein, Frances.....	Beaver Falls, Pa.
Latto, Mildred.....	Beaver Falls, Pa.
Leiper, Lois.....	College Hill, Pa.
Littell, Dorothy.....	College Hill, Pa.
Littell, Freida.....	College Hill, Pa.
Lowans, Lillian Ruth.....	College Hill, Pa.
McDonald, Mary Kate.....	College Hill, Pa.
Meyer, Leah.....	College Hill, Pa.
McIlvaine, Louise.....	Ellwood City, Pa.
Michael, Clara.....	College Hill, Pa.
Miller, Mildred.....	New Brighton, Pa.
Miller, Ruth.....	Beaver Falls, Pa.
Miller, Elizabeth.....	Beaver Falls, Pa.
Marshall, Margaret.....	Wampum, Pa.
McConnell, Virginia.....	New Brighton, Pa.
McClane, Alice.....	College Hill, Pa.
McConagha, Isabel.....	College Hill, Pa.
McFadden, Helen.....	Beaver Falls, Pa.
McCormick, Alma.....	College Hill, Pa.
Marks, Evelyn.....	Beaver Falls, Pa.
McKean, Hugh.....	College Hill, Pa.
Majors, Kenneth.....	Beaver Falls, Pa.
Parsons, May.....	New Brighton, Pa.
Patterson, Roberta.....	Beaver Falls, Pa.
Plumer, Lucile.....	Beaver Falls, Pa.
Pollins, Calvin.....	Greensburg, Pa.
Potter, Rebecca.....	New Galilee, Pa.
Redinbaugh, Margaret.....	Beaver Falls, Pa.
Richards, Dorothy.....	Beaver Falls, Pa.
Roseman, Matilda.....	Beaver Falls, Pa.

Ross, Adeline.....	College Hill, Pa.
Ruben, Herschel.....	Beaver Falls, Pa.
Russell, Aileen.....	Beaver Falls, Pa.
Rukenbrod, Martha.....	East Palestine, Ohio
Richardson, Margaret.....	College Hill, Pa.
Seanor, Dorothy.....	Beaver Falls, Pa.
Seanor, Margaret.....	Beaver Falls, Pa.
Schnubel, Mary Louise.....	College Hill, Pa.
Scott, Mrs.....	Beaver Falls, Pa.
Scott, Jean.....	Beaver Falls, Pa.
Shilleto, Helen.....	College Hill, Pa.
Smith, Cecil.....	Cincinnati, Ohio
Starr, Marion.....	College Hill, Pa.
Steel, Verna.....	New Brighton, Pa.
Stein, Bessie.....	Beaver Falls, Pa.
Sterrett, Sarah.....	College Hill, Pa.
Stormont, Mary.....	College Hill, Pa.
Seiple, Katherine.....	New Brighton, Pa.
Sheets, Melba.....	Beaver Falls, Pa.
Schabbet, Elizabeth.....	Beaver Falls, Pa.
Sheler, Evelyn.....	New Brighton, Pa.
Stoner, Eleanor.....	Beaver Falls, Pa.
Taggart, Evelyn.....	East Palestine, Ohio
Taggart, Katherine.....	College Hill, Pa.
Taggart, Ruth.....	College Hill, Pa.
Townsend, Thomas.....	Beaver Falls, Pa.
Tims, Alma.....	Beaver Falls, Pa.
Vorouse, Virginia.....	College Hill, Pa.
Ward, Louise.....	College Hill, Pa.
Washabaugh, Margaret.....	Canonsburg, Pa.
Webster, Arthur.....	College Hill, Pa.
Webster, Williard.....	College Hill, Pa.
Welsh, Vella.....	College Hill, Pa.
Wild, Hannah.....	Riverview, Beaver Falls, Pa.
Winters, Ruth.....	Beaver Falls, Pa.
Winters, May.....	Beaver Falls, Pa.
Wylie, Mrs. Harry.....	College Hill, Pa.
Wright, Rachel.....	College Hill, Pa.
Zarenberg, Jennie.....	Beaver Falls, Pa.
Zeller, George.....	Beaver Falls, Pa.
Zitzman, Georgia.....	Beaver Falls, Pa.

VIOLIN DEPARTMENT

Amour, James.....	Beaver Falls, Pa.
Anderson, Thomas.....	New Brighton, Pa.
Blackwood, Veo.....	Beaver Falls, Pa.
Calhoon, Andrew.....	New Brighton, Pa.
Conti, M.....	Beaver Falls, Pa.
Dunkerly, Jean.....	Beaver Falls, Pa.
Forst, Merle.....	Beaver Falls, Pa.
Ganlin, Harry.....	Beaver Falls, Pa.
Gill, Joseph.....	New Brighton, Pa.
Gestrich, Florence.....	New Brighton, Pa.
Graham, William.....	Beaver Falls, Pa.
Goehring, Blanche.....	New Galilee, Pa.

Goehring, Arthur.....	New Galilee, Pa.
Haberfield, Harold.....	Beaver Falls, Pa.
Kane, Sydney.....	Beaver Falls, Pa.
Kerr, Hannah.....	Beaver Falls, Pa.
Lakatos, Joseph.....	Beaver Falls, Pa.
Lambert, W. S.....	Beaver Falls, Pa.
Linder, Elizabeth.....	Beaver Falls, Pa.
McCoullough, Effie.....	Beaver Falls, Pa.
McCoullough, Roy.....	Beaver Falls, Pa.
Miller, May.....	Beaver Falls, Pa.
Morrison, William.....	Beaver Falls, Pa.
Myers, Vera.....	New Brighton, Pa.
Morris, Hartley.....	Beaver Falls, Pa.
Ott, Charles.....	Homewood, Pa.
Partington, George.....	Beaver Falls, Pa.
Pearce, Dorothy.....	Beaver Falls, Pa.
Ripper, Paul.....	New Brighton, Pa.
Robson, Harry.....	Sebring, Ohio
Roberts, Wilda.....	Beaver Falls, Pa.
Simons, Grace.....	New Brighton, Pa.
Symington, Gladys.....	Beaver Falls, Pa.
White, John.....	Beaver Falls, Pa.
Wall, Hannah.....	Beaver Falls, Pa.

* PUBLIC SPEAKING DEPARTMENT

Anderson, Charles.....	Montgomery, Ala.
Best, Gladys.....	Beaver Falls, Pa.
Calhoun, Harriett.....	New Brighton, Pa.
Carl, Beatrice.....	Woodlawn, Pa.
Carson, Floyd.....	Oakdale, Ill.
Clyde, Clara.....	Warren, Pa.
Darby, Mildred.....	Woodlawn, Pa.
Douglass, Miriam.....	East Palestine, Ohio
Ellis, Mrs. Wat.....	New Brighton, Pa.
Forney, Earl.....	Beaver Falls, Pa.
Grossglass, Mabel.....	Beaver Falls, Pa.
Hamilton, Pearl.....	Karns City, Pa.
Hays, Mary.....	Beaver Falls, Pa.
Hitchcock, Charlotte.....	New Brighton, Pa.
Kramer, Grace.....	New Brighton, Pa.
Kramer, Edna.....	New Brighton, Pa.
Lytle, Ethel.....	Beaver Falls, Pa.
Lytle, Agnes.....	Beaver Falls, Pa.
Lytle, Robert.....	Beaver Falls, Pa.
McBurney, John R.....	Cannonsburg, Pa.
Noggle, Seeley.....	New Galilee, Pa.
Rodgers, Ruth.....	Jackson Center, Pa.
Sohn, Morgan.....	Woodlawn, Pa.
Snyder, Ester.....	Volant, Pa.
Snodgrass, Catherine.....	Beaver Falls, Pa.
Thompson, Mac.....	Mercer, Pa.
Thompson, Corene.....	Karns City, Pa.
Wallace, Mary.....	Beaver Falls, Pa.
Washabaugh, Ruth.....	Cannonsburg, Pa.
Wood, Florence.....	New Brighton, Pa.
Zeigler, Mary.....	Ellwood City, Pa.

* There are 120 students in the Public Speaking classes in addition to those taking private lessons.

SUMMER SCHOOL NORMAL DEPARTMENT 1921

Allison, Esther.....	Hookstown, Pa.
Ammon, Joseph, Jr.....	Industry, Pa.
Ammon, Mary.....	Industry, Pa.
Barnes, Marie.....	616 Corporation St., Beaver, Pa.
Barr, Mabel.....	Freedom, Pa.
Beckwell, Charles P.....	1059 Beaver Ave., Midland, Pa.
Bell, Miriam.....	1201 5th Ave., Beaver Falls, Pa.
Beichtold, Mrs. Clara I.....	R. F. D. 1, New Brighton, Pa.
Best, Gladys.....	705 15th St., Beaver Falls, Pa.
Best, Thelma.....	705 15th St., Beaver Falls, Pa.
Birnisser, Anna.....	Darlington, Pa.
Blackburn, Hazel E.....	469 Corporation St., Beaver, Pa.
Blayney, Lois.....	Zelienople, Pa.
Boyde, Mary L.....	929 Corporation St., Beaver, Pa.
Braden, Naomi.....	Georgetown, Pa.
Brooks, Viola.....	4730 4th Ave., Beaver Falls, Pa.
Brnjas, Frank.....	120 Irons St., Woodlawn, Pa.
Bryan, Hattie M.....	1421 Myrtle Ave., New Brighton, Pa.
Burkhart, Helen.....	919 Indiana Ave., Monaca, Pa.
Burgett, Sarah.....	R. F. D. 1, Beaver, Pa.
Butler, Mary A.....	108 Walnut St., Woodlawn, Pa.
Cable, Josephine.....	445 New York Ave., Rochester, Pa.
Carl, Hazel.....	Aliquippa, Pa.
Carter, Miriam.....	713 15th St., New Brighton, Pa.
Chambordon, Marie.....	1623 Ridge Ave., Coraopolis, Pa.
Clarke, Frances M.....	1400 3rd Ave., New Brighton, Pa.
Coffey, Mrs. Edna S.....	Baden, Pa.
Coombs, Ruth.....	Monaca, Pa.
Collins, Eva.....	R. F. D., Ellwood City, Pa.
Collins, Wilda.....	R. F. D., Ellwood City, Pa.
Cotter, Lola.....	New Sheffield, Pa.
Cornelius, Rose.....	1220 Penna. Ave., Monaca, Pa.
Couch, Alice.....	1703 4th Ave., New Brighton, Pa.
Courtney, Mildred.....	West Bridgewater, Pa.
Coulter, Ethel.....	R. F. D. 1, Wampum, Pa.
Craig, Olive.....	R. F. D. 1, Georgetown, Pa.
Craft, Bessie.....	R. F. D. 1, Beaver Falls, Pa.
Crawford, Mary.....	Koppel, Pa.
Cunningham, Mrs. Alberta M.....	Marion Hill, New Brighton, Pa.
Dean, Jennie.....	Freedom, Pa.
Deutsch, Hazel.....	Midland, Pa.
Dickey, Margaret.....	301 Third Ave., New Brighton, Pa.
Drew, Mabel.....	433 Sine Ave., Ellwood City, Pa.
Duncan, Margaret.....	577 S. Main St., Washington, Pa.
Dunn, Laura.....	735 Penn Ave., New Brighton, Pa.
Danagh, Alexander.....	255 College Ave., Beaver, Pa.
Eakin, Edith.....	Darlington, Pa.
Edmond, Nancy.....	647 Virginia Ave., Midland, Pa.
Elder, Mary.....	Darlington, Pa.
Elm, Velma.....	Shippingport, Pa.
Emerick, Mrs. D. M.....	2840 5th Ave., Beaver Falls, Pa.
Erwin, Edna.....	429 Navigation St., Beaver, Pa.

Ewing, Irene.....	New Sheffield, Pa.
Ewing, Zelma.....	1202 Hiland Ave., Coraopolis, Pa.
Farrar, Mary.....	758 Bank St., Beaver, Pa.
Foliart, Meryle.....	Coraopolis, Pa.
Folk, Ruth.....	Midland, Pa.
Forbes, Robert.....	2829 4th Ave., Beaver Falls, Pa.
Franke, Eva.....	Tuscarawas Road, Beaver, Pa.
Funkhouser, Olive.....	R. F. D. 3, Beaver Falls, Pa.
Garmon, Bess.....	Ellwood City, Pa.
Garvin, Florence.....	Darlington, Pa.
Garvin, Laura.....	Darlington, Pa.
Glenn, Florence.....	Hookstown, Pa.
Glover, Bertha.....	Monaca, Pa.
Geisen, Josephine.....	Monaca, Pa.
Goehring, Edith.....	R. F. D. 1, Zelenople, Pa.
Goehring, Gertrude.....	Negley, Ohio
Goetz, Grace.....	1024 Franklin Ave., Woodlawn, Pa.
Gonnely, Beatrice.....	4736 4th Ave., Beaver Falls, Pa.
Gordon, Jean.....	381 Ohio Ave., Rochester, Pa.
Gormley, Velma.....	Shippingport, Pa.
Goulasbarry, Irine.....	518 29th St., Beaver Falls, Pa.
Graham, Robert.....	2900 4th Ave., Beaver Falls, Pa.
Green, Mina.....	1130 Main St., Woodlawn, Pa.
Grosman, Nettie.....	397 Penn Ave., Rochester, Pa.
Grey, Louise.....	Wampum, Pa.
Hartman, Helen.....	372 5th St., Beaver, Pa.
Headland, Sarah.....	R. F. D. 1, Freedom, Pa.
Helbling, Cecelia.....	R. F. D. 2, New Brighton, Pa.
Hilpert, Emma.....	1520 Penn Ave., New Brighton, Pa.
Heideger, Mrs. Bertha.....	West Bridgewater, Pa.
Hineman, Elsie.....	New Sheffield, Pa.
Hineman, Zada.....	New Sheffield, Pa.
Houk, Catherine.....	525 6th Ave., New Brighton, Pa.
Honlette, Mrs. Henrietta F.....	1311 West 9th St., Beaver Falls, Pa.
Irwin, Anna.....	New Sheffield, Pa.
Jackson, Edna.....	Darlington, Pa.
Jackson, Precious F.....	Enon Valley, Pa.
Jannuzi, Lida.....	810 3rd Ave., Beaver Falls, Pa.
Jasper, Martha.....	1515 6th Ave., Beaver Falls, Pa.
John, Mary.....	104 Moreland, Woodlawn, Pa.
Karje, Ruth.....	Monaca, Pa.
Kaufman, Grace.....	1345 Second St., New Brighton, Pa.
Kennedy, Elizabeth.....	3115 College Ave., Beaver Falls, Pa.
Kline, Edna.....	Ellwood City, Pa.
Klingelhoef, Nelda.....	Freedom, Pa.
Knowlson, Mary.....	R. F. D. 1, Beaver Falls, Pa.
Krepps, Mary.....	R. F. D. 4, Beaver Falls, Pa.
Kress, Beulah.....	344 Penna. Ave., Rochester, Pa.
Landon, Mrs. Beatrice T.....	West Bridgewater, Pa.
Laughlin, Bertha.....	Shippingport, Pa.
Laughlin, Margaret.....	Shippingport, Pa.
Lawrence, Leona.....	R. F. D. 1, Beaver Falls, Pa.
Lloyd, Edith.....	1863 14th St., Beaver Falls, Pa.
Luke, William.....	Enon Valley, Pa.
Lusher, Bertha.....	R. F. D. 2, Ellwood City, Pa.

Lytle, Agnes.....	1021 Eighth Ave., Beaver Falls, Pa.
Madory, Helen.....	1441 4th Ave., New Brighton, Pa.
Mockall, Beulah.....	Georgetown, Pa.
Mason, Florence.....	Industry, Pa.
Markle, Catherine.....	R. F. D. 1, West Newton, Pa.
Matheny, Olive.....	434 Fifth St., Beaver, Pa.
Mathey, Mrs. Sara I.....	Ellwood City, Pa.
Meany, Ruth.....	Monaca, Pa.
Meeder, Pearle.....	1001 10th St., New Brighton, Pa.
Metzger, Anna.....	3422 Fifth Ave., Beaver Falls, Pa.
Miller, Irene.....	West Bridgewater, Pa.
Miller, Hazel.....	Wireton, Pa.
Morgan, Elizabeth.....	Freedom, Pa.
Morgan, Frank.....	Midland, Pa.
Morgan, Leola.....	R. F. D. 3, New Sheffield, Pa.
Morrison, Mrs. Ella H.....	1308 Corporation St., Beaver, Pa.
Morrow, Helen.....	Shippingport, Pa.
Murphy, John.....	533 Ohio Ave., Midland, Pa.
McConagha, Isabel.....	3014 College Ave., Beaver Falls, Pa.
McConnell, Alice.....	Clinton, Pa.
McCowin, Wilda.....	Darlington, Pa.
McCullough, Ellen.....	Monaca, Pa.
McKenny, Mrs. Mary.....	1426 4th Ave., Beaver Falls, Pa.
McKim, Jennie.....	3815 Third Ave., Beaver Falls, Pa.
McMillan, Helen.....	Burgettstown, Pa.
McWilliams, Emma.....	Vanport, Pa.
Nagel, Mrs. Alice.....	916 3rd St., Beaver, Pa.
Nannah, Hazel.....	145 6th Ave., Freedom, Pa.
Nicely, Hazel.....	Darlington, Pa.
Nippert, Helen.....	901 11th St., New Brighton, Pa.
Otto, Lillian.....	432 Webster St., Rochester, Pa.
Owens, Catherine.....	Wireton, Pa.
Price, Margaret.....	814 Case St., Rochester, Pa.
Provance, Melva.....	Koppel, Pa.
Rambo, Cathryn.....	Shippingport, Pa.
Ramsey, Dessa.....	Hookstown, Pa.
Ramsey, Gladys.....	Hookstown, Pa.
Reese, Mildred.....	Monaca, Pa.
Reeves, Sarah.....	301 6th St., New Brighton, Pa.
Riddle, Ruth.....	Enon Valley, Pa.
Richl, Mary.....	1836 3rd Ave., Beaver Falls, Pa.
Ritchie, Nora.....	Wampum, Pa.
Roan, Dorothy.....	431 Highland Ave., Woodlawn, Pa.
Roberts, Meta.....	468 Market St., Beaver, Pa.
Roberts, Mildred.....	Enon Valley, Pa.
Robertson, Beulah.....	Hookstown, Pa.
Robertson, Raymond.....	Hookstown, Pa.
Sayre, Beatrice.....	South Heights, Pa.
Schwenk, Eleanor.....	11th St. Ext., Beaver Falls, Pa.
Scott, Letitia Scott.....	Burgettstown, Pa.
Seanor, Dorothy.....	900 Ninth Ave., Beaver Falls, Pa.
Shaffer, Amy.....	554 10th Ave., New Brighton, Pa.
Shane, Marguerite.....	Hookstown, Pa.
Shearer, Helen.....	Darlington, Pa.
Shelar, Sarah.....	512 Penn Ave., New Brighton, Pa.
Shannon, Nora.....	Smith's Ferry, Pa.

Shanor, Ruth.....	450 Penna. Ave., Rochester,	Pa.
Shilling, Lillian.....	.....	New Sheffield, Pa.
Shoaf, Jean.....	113 Major St., Woodlawn,	Pa.
Shull, Mrs. Laura.....	4th Ave., New Brighton,	Pa.
Sieffert, Constance.....	.....	Wireton, Pa.
Skoog, Ruth.....	.....	Monaca, Pa.
Smith, Clifford.....	111 Walnut St., Woodlawn,	Pa.
Smith, Harold.....	.....	Georgetown, Pa.
Smith, Elizabeth.....	.....	Darlington, Pa.
Smith, Garnet.....	.....	Monaca, Pa.
Smith, Helen.....	.....	Hookstown, Pa.
Stafford, Ada.....	719 Tenth St., New Brighton,	Pa.
Stauffer, Dorothy.....	.....	Zelienople, Pa.
Staub, Ada.....	.....	Monaca, Pa.
Steimer, Norman.....	1868 11th St., Beaver Falls,	Pa.
Stewart, James.....	338 Lehigh Ave., Pittsburgh,	Pa.
Swearingen, Josephine.....	.....	Hookstown, Pa.
Swearingen, Mary.....	.....	Georgetown, Pa.
Panney, Frances.....	.....	Beaver Falls, Pa.
Temple, Pearl.....	.....	Woodlawn, Pa.
Thomas, Dorothy.....	518 29th St., Beaver Falls,	Pa.
Thomas, Mary.....	3600 6th Ave., Beaver Falls,	Pa.
Thomasson, Margaret.....	.....	Eastvale, Beaver Falls, Pa.
Thornburg, Gladys.....	.....	Clinton, Pa.
Torrence, Belva.....	1100 Second St., Beaver,	Pa.
Torrence, Emma.....	.....	Hookstown, Pa.
Treverton, Dorothy.....	.....	West Bridgewater, Pa.
Ullom, Rossalette.....	.....	Monaca, Pa.
Vaught, Victor.....	139 Orchard St., Woodlawn,	Pa.
Waddington, Ella.....	1430 Penn Ave., New Brighton,	Pa.
Walker, Ralph.....	.....	New Brighton, Pa.
Walker, Mary.....	1905 Sixth Ave., Beaver Falls,	Pa.
Wallace, Mary.....	3405 4th Ave., Beaver Falls,	Pa.
Willover, Josephine.....	.....	Smith's Ferry, Pa.
Wallover, Josephine.....	.....	Smith's Ferry, Pa.
Wallover, Martha.....	.....	Smith's Ferry, Pa.
Warnock, Lida.....	.....	Ellwood City, Pa.
Wassmuth, Florence.....	507 9th St., New Brighton,	Pa.
Wassum, Mary.....	.....	Freedom, Pa.
Wassum, Thelma.....	1134 Vance Ave., Coraopolis,	Pa.
Watt, Edna.....	.....	Enon Valley, Pa.
Weigel, Helen.....	.....	Zelienople, Pa.
White, Hazel.....	.....	Beaver Falls, Pa.
Wick, Gwendolyn.....	.....	Penn Ave., Midland, Pa.
Wilkinson, Marion.....	1089 Third St., Beaver,	Pa.
Williamson, John.....	.....	Aliquippa, Pa.
Withrow, Helen.....	.....	Glenwillard, Pa.
Withrow, Margaret.....	.....	Clinton, Pa.
Wright, Mrs. Elizabeth G.....	.....	Rochester, Pa.
Wylie, Eva.....	.....	Vanport, Pa.
Young, Margaret.....	.....	Beaver Falls, Pa.
Young, Elsie.....	.....	Beaver Falls, Pa.
Young, Alma.....	326 12th Ave., New Brighton,	Pa.
Zeigler, Mabel.....	Fombell, Pa.
Zeigler, Laurence.....	Fombell, Pa.

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